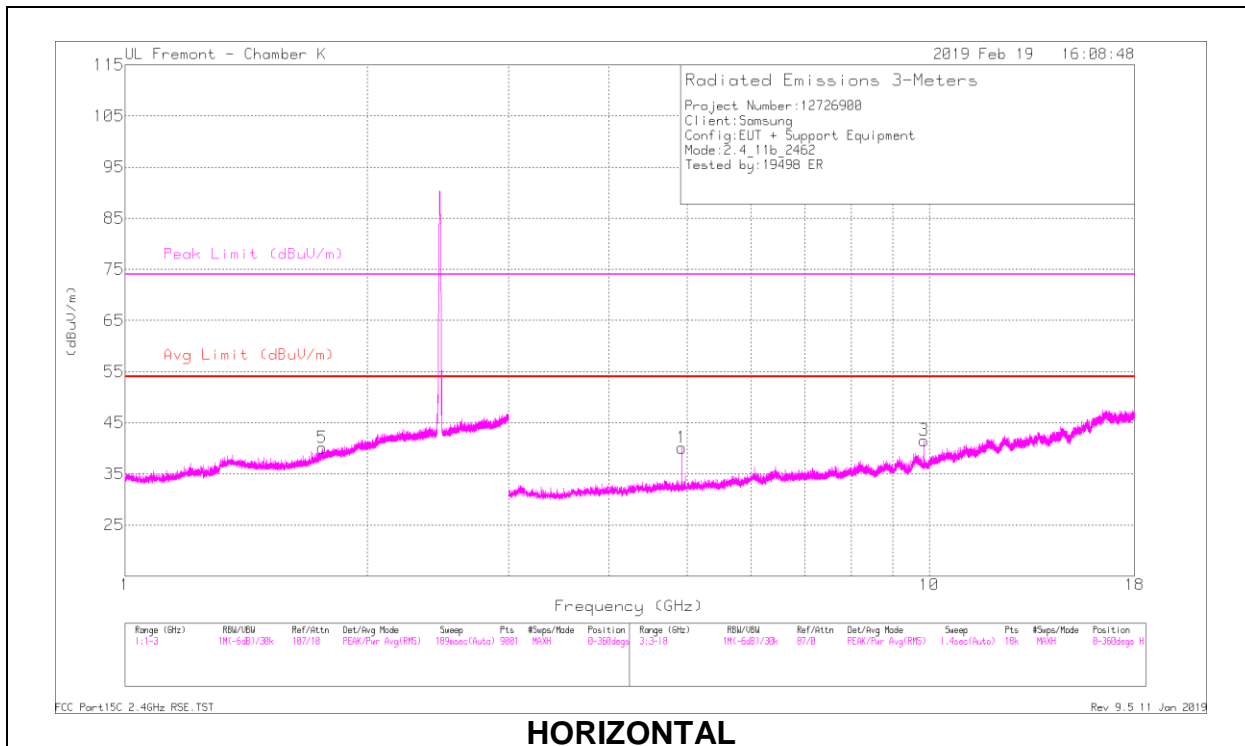
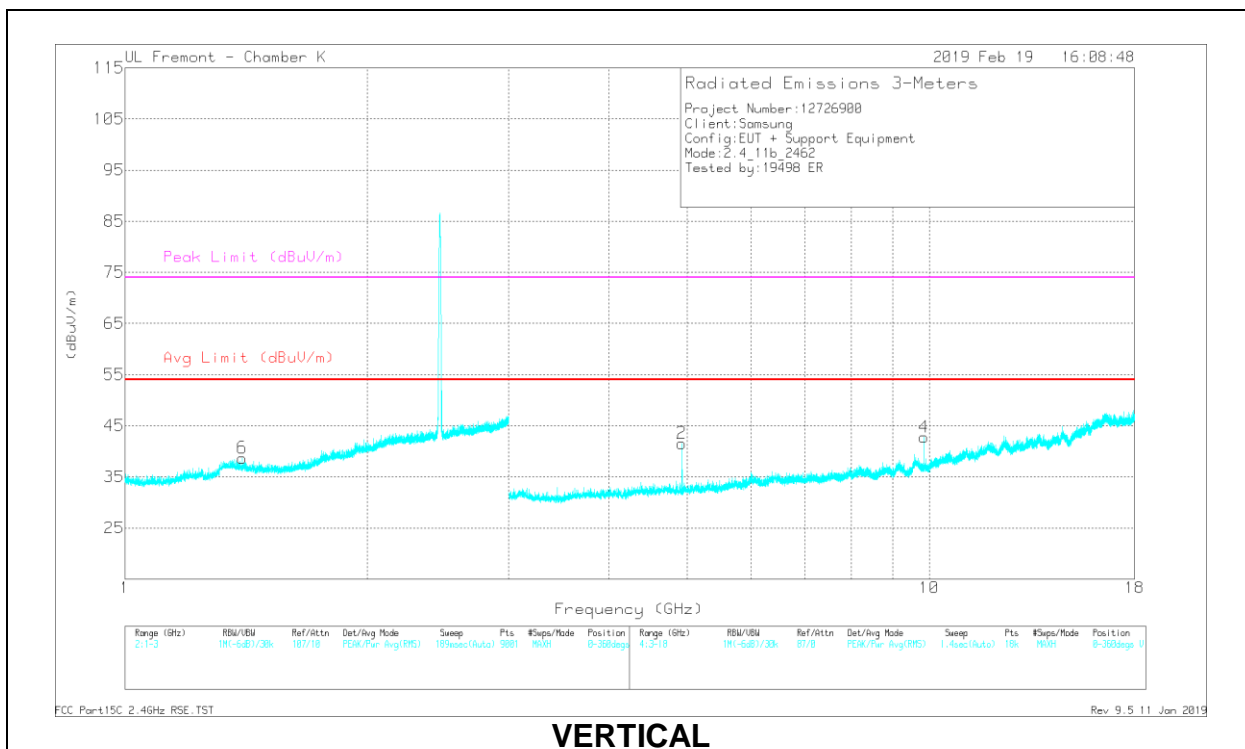


### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.759	30.27	Pk	29.7	-15.7	0	44.27	-	-	-	-	249	223	H
* 1.398	31.75	Pk2	28.9	-16.9	0	43.75	-	-	74	-30.25	177	172	V
* 1.4	12.19	MAv1	28.9	-16.9	.1	24.29	54	-29.71	-	-	177	172	V
* 4.924	39.74	Pk2	34.2	-30.6	0	43.34	-	-	74	-30.66	259	114	H
* 4.924	35.17	MAv1	34.2	-30.6	.1	38.87	54	-15.13	-	-	259	114	H
9.848	33	Pk	36.9	-23.2	0	46.7	-	-	-	-	248	102	H
* 4.924	42.38	Pk2	34.2	-30.6	0	45.98	-	-	74	-28.02	8	106	V
* 4.924	37.99	MAv1	34.2	-30.6	.1	41.69	54	-12.31	-	-	8	106	V
9.848	33.93	Pk	36.9	-23.2	0	47.63	-	-	-	-	258	102	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

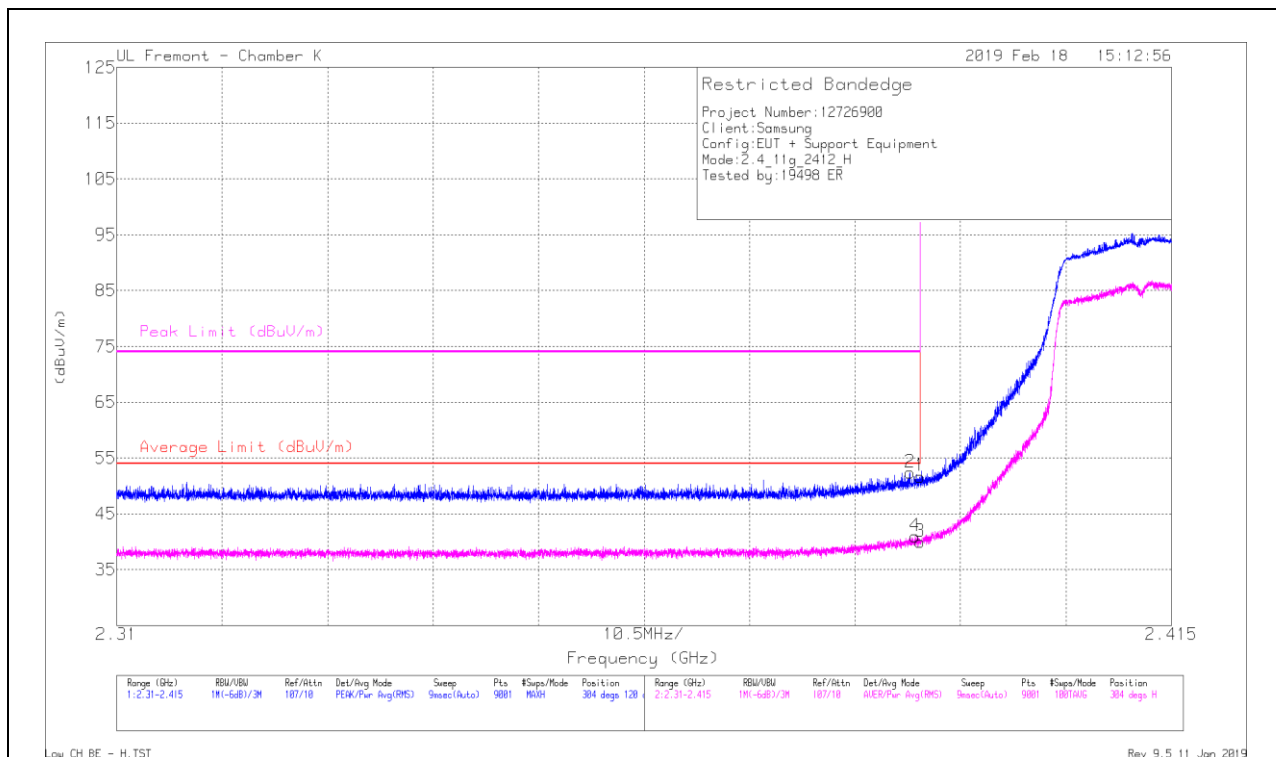
MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

#### 1TX Antenna 1 MODE

#### BANDEDGE (LOW CHANNEL, CH 1)

#### HORIZONTAL RESULT



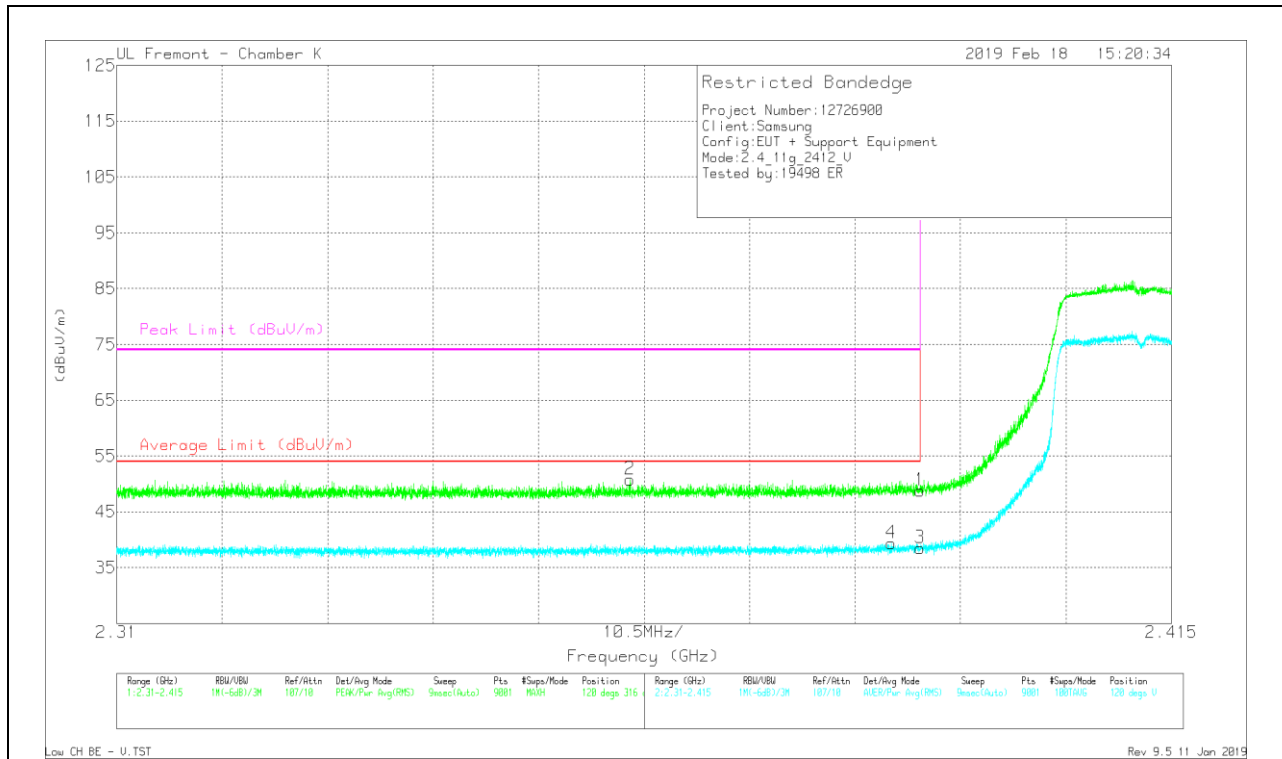
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Dege)	Height (cm)	Polarity
1	* 2.39	44.52	PK	31.9	-24.7	0	51.72	-	-	74	-22.28	304	120	H
2	* 2.389	45.16	PK	31.9	-24.7	0	52.36	-	-	74	-21.64	304	120	H
3	* 2.39	32.69	RMS	31.9	-24.7	.09	39.98	54	-14.02	-	-	304	120	H
4	* 2.389	33.7	RMS	31.9	-24.7	.09	40.99	54	-13.01	-	-	304	120	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

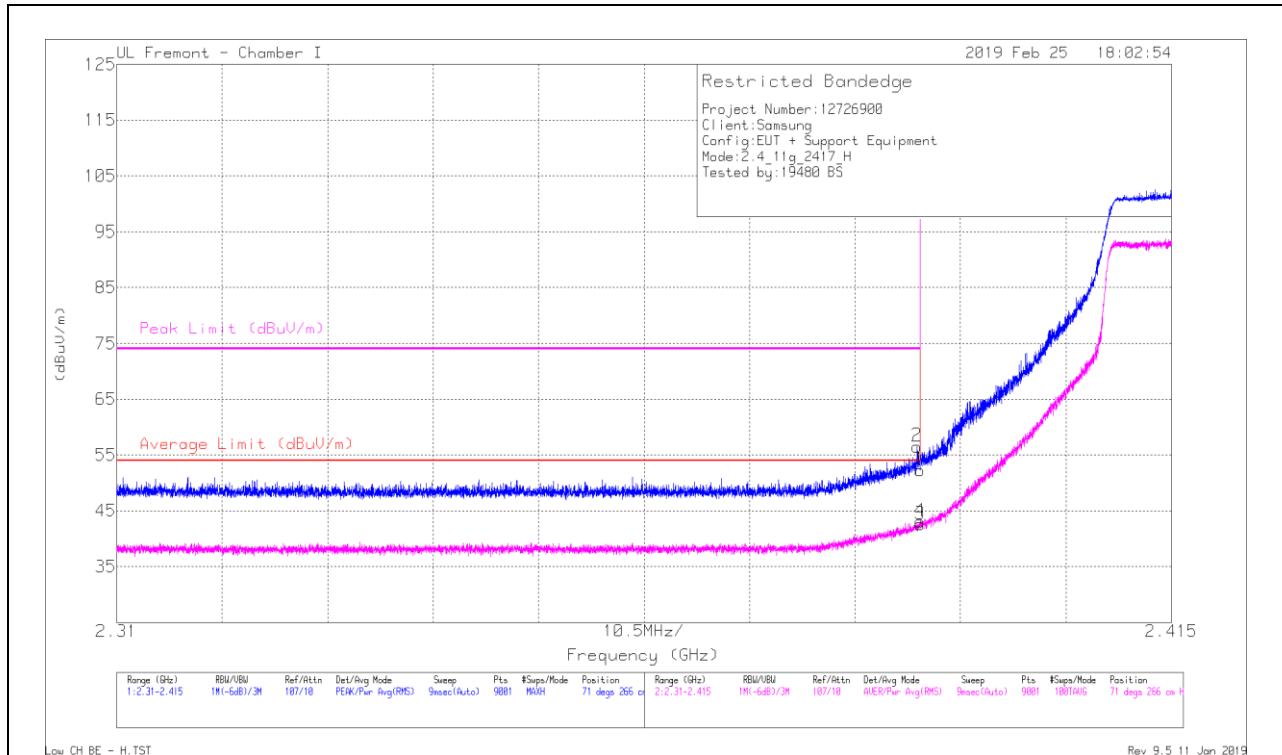


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.55	Pk	31.9	-24.7	0	48.75	-	-	74	-25.25	120	316	V
2	* 2.361	43.73	Pk	31.7	-24.6	0	50.83	-	-	74	-23.17	120	316	V
3	* 2.39	31.2	RMS	31.9	-24.7	.09	38.49	54	-15.51	-	-	120	316	V
4	* 2.387	31.92	RMS	31.9	-24.6	.09	39.31	54	-14.69	-	-	120	316	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANEDGE (LOW CHANNEL, CH 2)**

**HORIZONTAL RESULT**



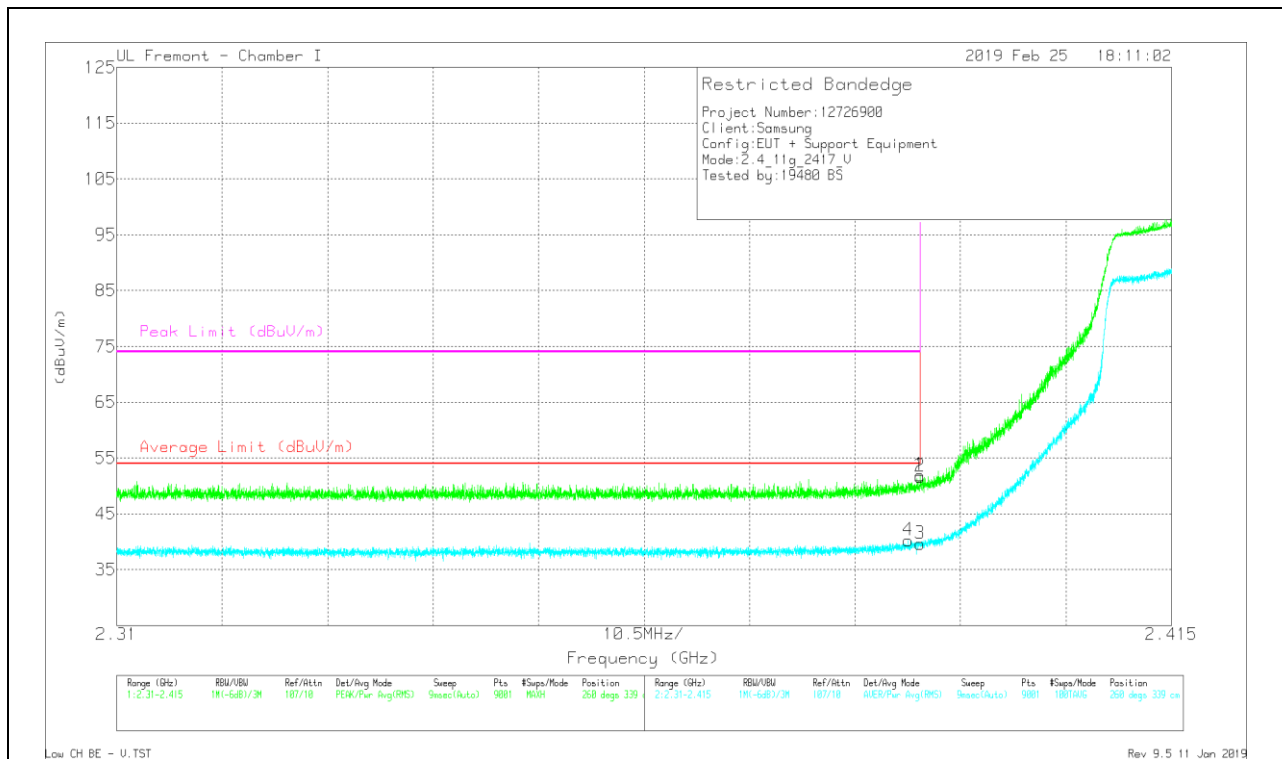
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Paid (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.04	Pk	31.8	-21.6	0	62.24	-	-	74	-21.76	71	266	H
2	* 2.39	46.36	Pk	31.8	-21.6	0	56.56	-	-	74	-17.44	71	266	H
3	* 2.39	32.36	RMS	31.8	-21.6	.09	42.65	54	-11.35	-	-	71	266	H
4	* 2.39	32.78	RMS	31.8	-21.6	.09	43.07	54	-10.93	-	-	71	266	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT

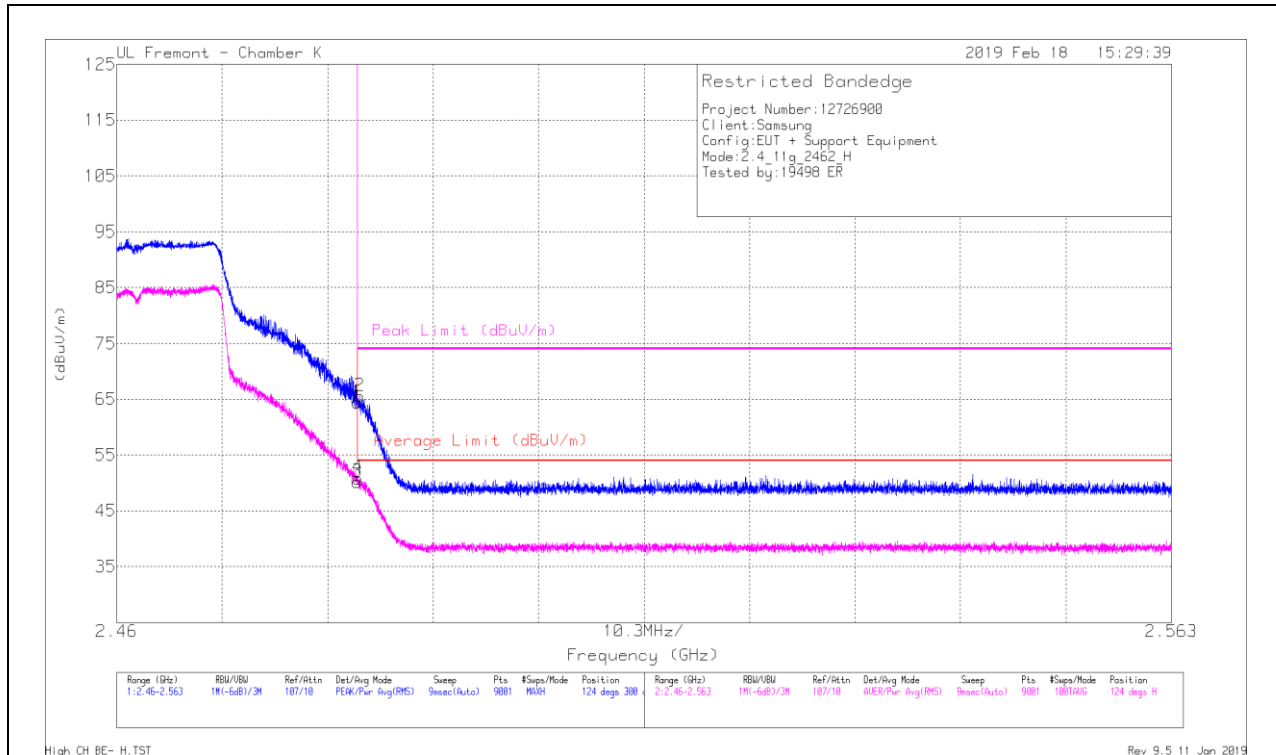


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Filt/PA (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.65	Pk	31.8	-21.6	0	51.85	-	-	74	-22.15	260	339	V
2	* 2.39	41.41	Pk	31.8	-21.6	0	51.61	-	-	74	-22.39	260	339	V
3	* 2.39	29.31	RMS	31.8	-21.6	.09	39.6	54	-14.4	-	-	260	339	V
4	* 2.389	29.94	RMS	31.8	-21.6	.09	40.23	54	-13.77	-	-	260	339	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**



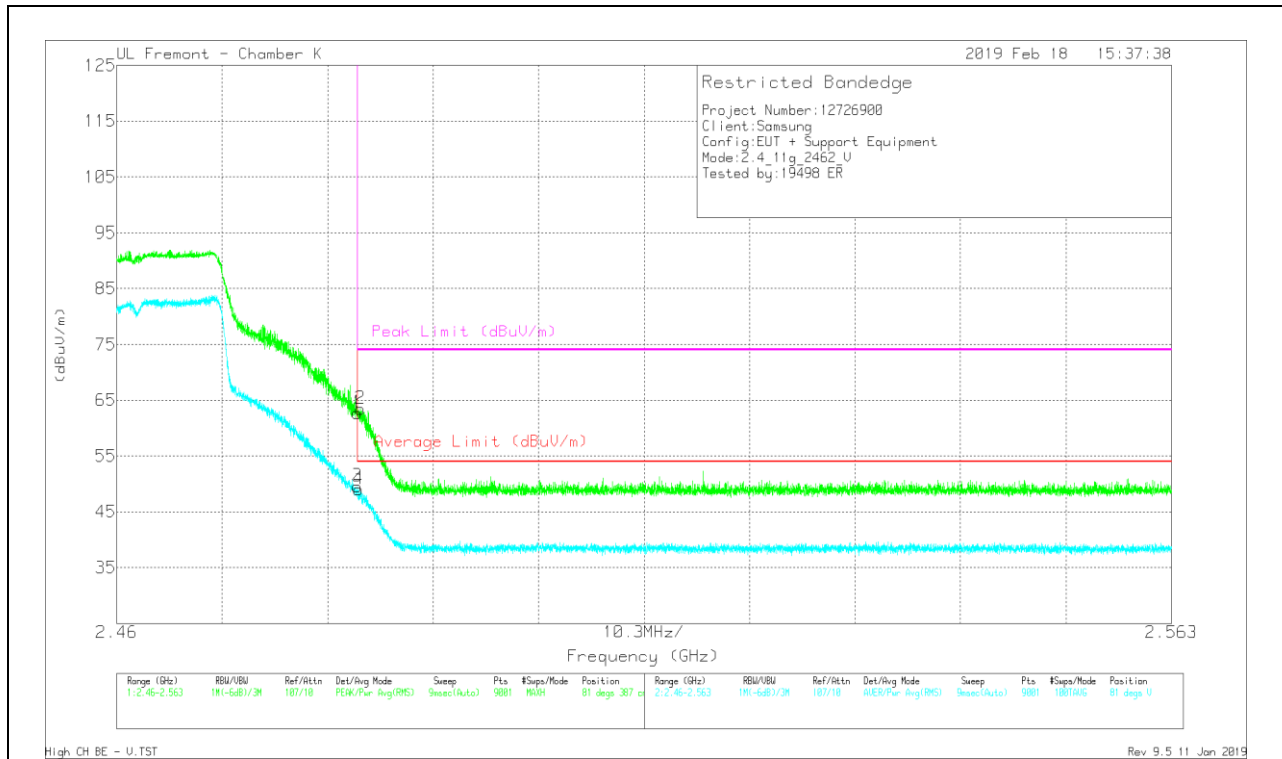
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	56.93	Pk	32.3	-24.8	0	64.43	-	-	74	-9.57	124	300	H
2	* 2.484	58.09	Pk	32.3	-24.8	0	65.59	-	-	74	-8.41	124	300	H
3	* 2.484	42.54	RMS	32.3	-24.8	.09	50.13	54	-3.87	-	-	124	300	H
4	* 2.484	43.26	RMS	32.3	-24.8	.09	50.85	54	-3.15	-	-	124	300	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.2	Pk	32.3	-24.8	0	62.7	-	-	74	-11.3	81	387	V
2	* 2.484	55.91	Pk	32.3	-24.8	0	63.41	-	-	74	-10.59	81	387	V
3	* 2.484	41.95	RMS	32.3	-24.8	.09	49.54	54	-4.46	-	-	81	387	V
4	* 2.484	41.48	RMS	32.3	-24.8	.09	49.07	54	-4.93	-	-	81	387	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

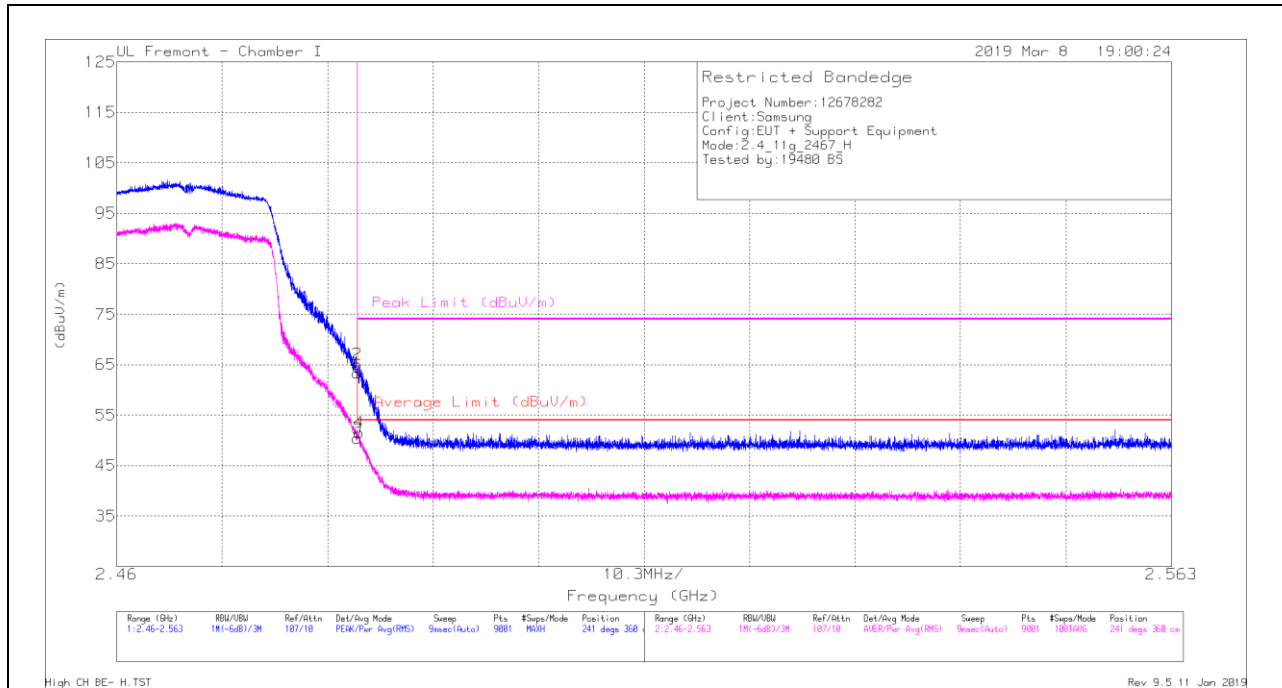
Pk - Peak detector

RMS - RMS detection



**BANDEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**

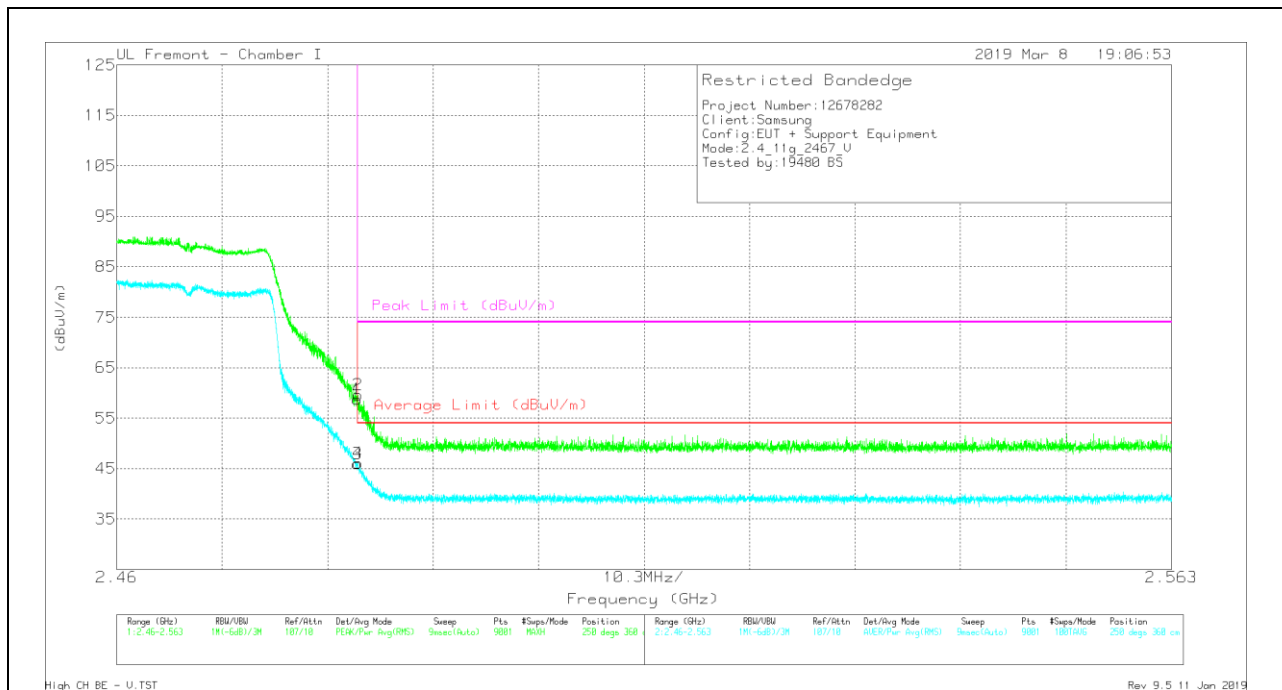


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.64	Pk	32.4	-21.7	0	63.34	-	-	74	-10.66	241	360	H
2	* 2.484	54.34	Pk	32.4	-21.7	0	65.04	-	-	74	-8.96	241	360	H
3	* 2.484	39.64	RMS	32.4	-21.7	.09	50.43	54	-3.57	-	-	241	360	H
4	* 2.484	40.71	RMS	32.4	-21.7	.09	51.5	54	-2.5	-	-	241	360	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



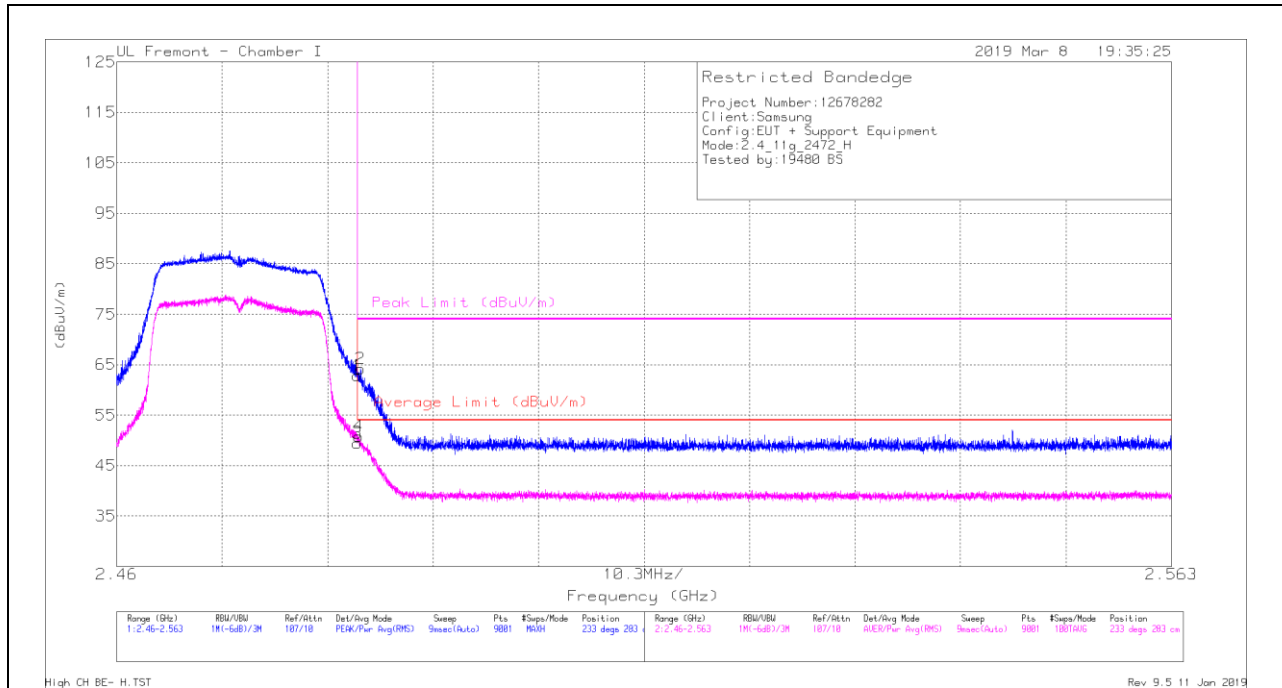
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.04	Pk	32.4	-21.7	0	58.74	-	-	74	-15.26	250	360	V
2	* 2.484	48.96	Pk	32.4	-21.7	0	59.66	-	-	74	-14.34	250	360	V
3	* 2.484	35.15	RMS	32.4	-21.7	.09	45.94	54	-8.06	-	-	250	360	V
4	* 2.484	35.24	RMS	32.4	-21.7	.09	46.03	54	-7.97	-	-	250	360	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

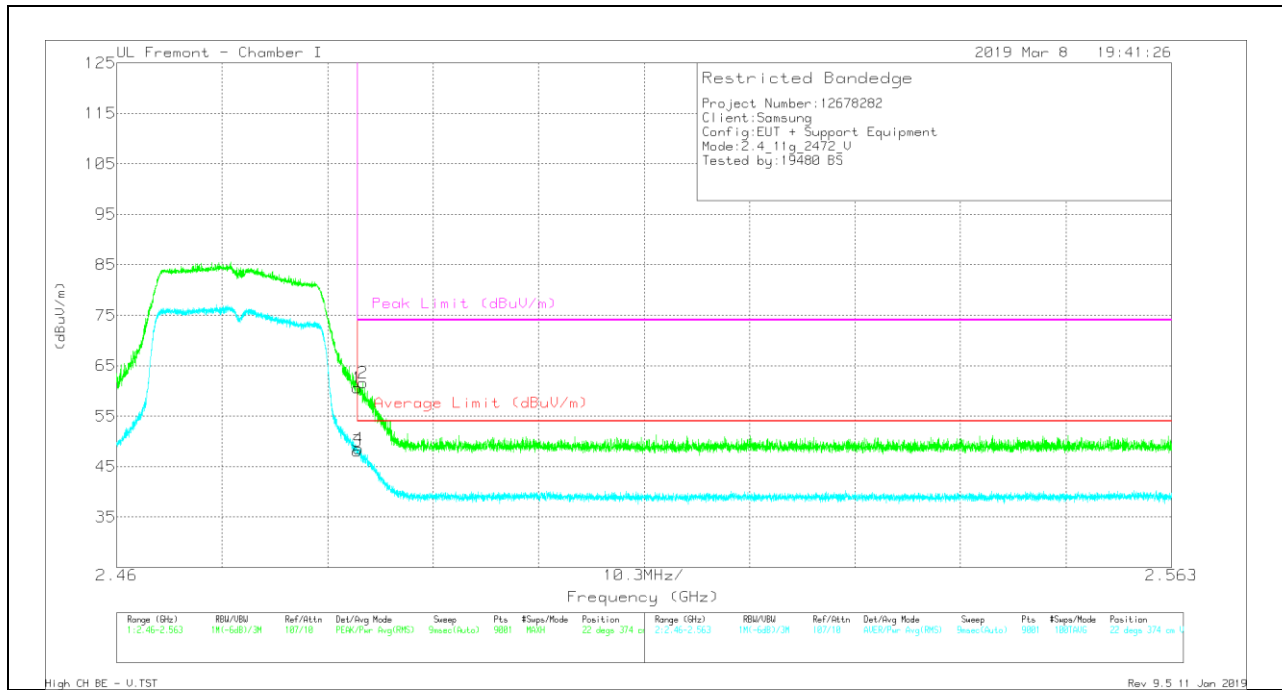


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.18	Pk	32.4	-21.7	0	62.88	-	-	74	-11.12	233	283	H
2	* 2.484	53.53	Pk	32.4	-21.7	0	64.23	-	-	74	-9.77	233	283	H
3	* 2.484	38.69	RMS	32.4	-21.7	.09	49.48	54	-4.52	-	-	233	283	H
4	* 2.484	40.05	RMS	32.4	-21.7	.09	50.84	54	-3.16	-	-	233	283	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULT



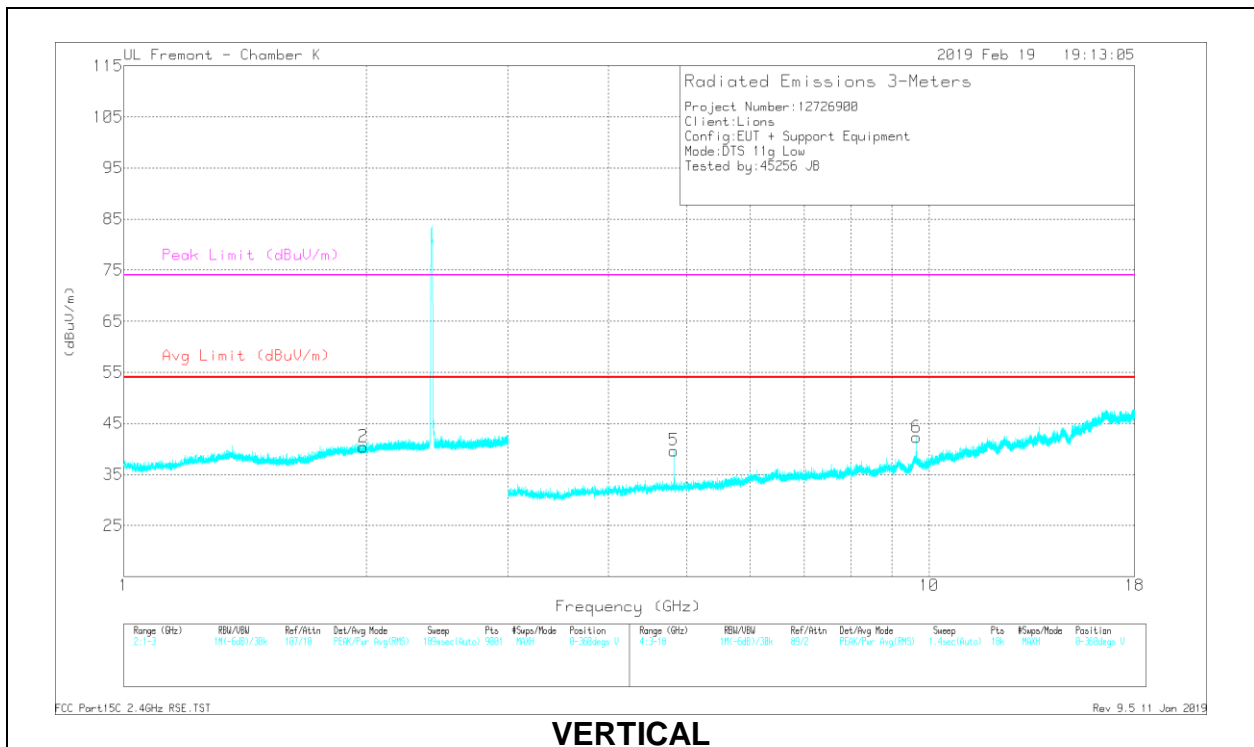
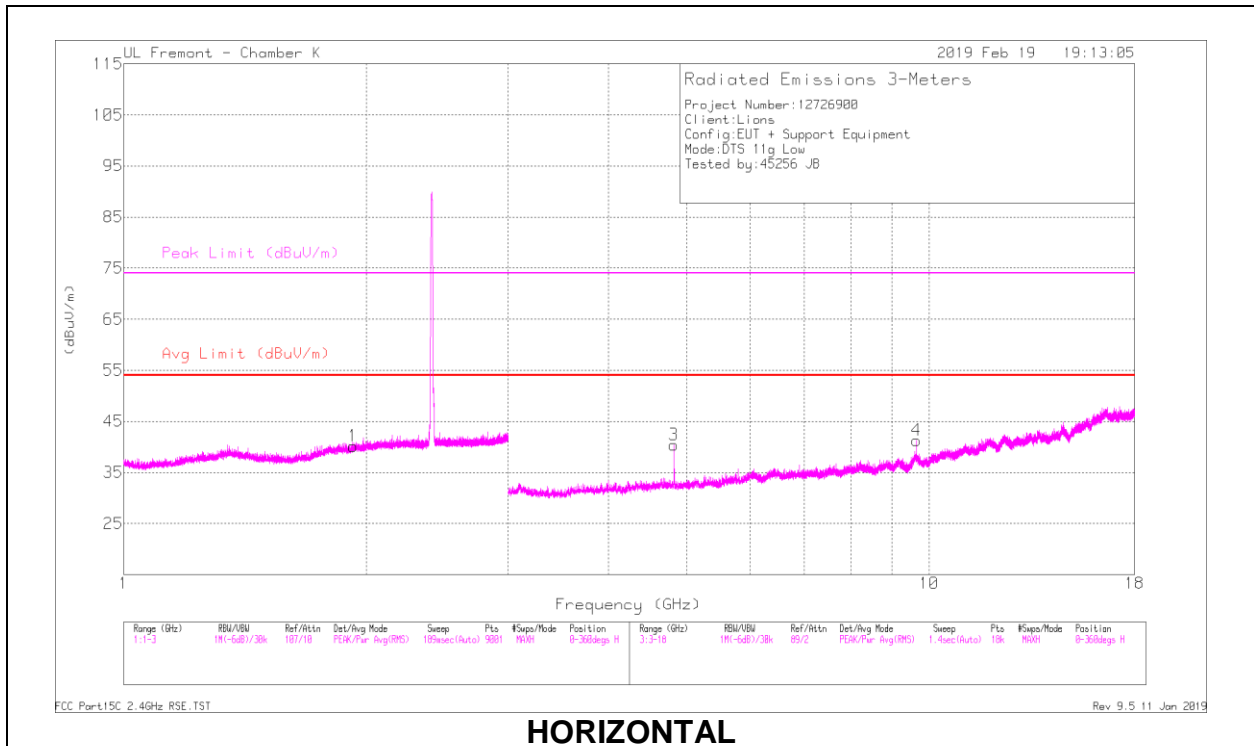
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.84	Pk	32.4	-21.7	0	60.54	-	-	74	-13.46	22	374	V
2	* 2.484	50.86	Pk	32.4	-21.7	0	61.56	-	-	74	-12.44	22	374	V
3	* 2.484	37.26	RMS	32.4	-21.7	.09	48.05	54	-5.95	-	-	22	374	V
4	* 2.484	37.75	RMS	32.4	-21.7	.09	48.54	54	-5.46	-	-	22	374	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.824	40.98	PK2	34.1	-30.4	0	44.68	-	-	74	-29.32	168	122	H
* 4.824	30.96	MAv1	34.1	-30.4	.09	34.75	54	-19.25	-	-	168	122	H
* 4.824	39.33	PK2	34.1	-30.4	0	43.03	-	-	74	-30.97	288	100	V
* 4.824	29.98	MAv1	34.1	-30.4	.09	33.77	54	-20.23	-	-	288	100	V
1.927	33.78	Pk	30.6	-24.2	0	40.18	-	-	-	-	0-360	200	H
1.985	33.96	Pk	30.9	-24.4	0	40.46	-	-	-	-	0-360	200	V
9.648	27.83	Pk	36.8	-23.4	0	41.23	-	-	-	-	0-360	101	H
9.648	28.85	Pk	36.8	-23.4	0	42.25	-	-	-	-	0-360	100	V

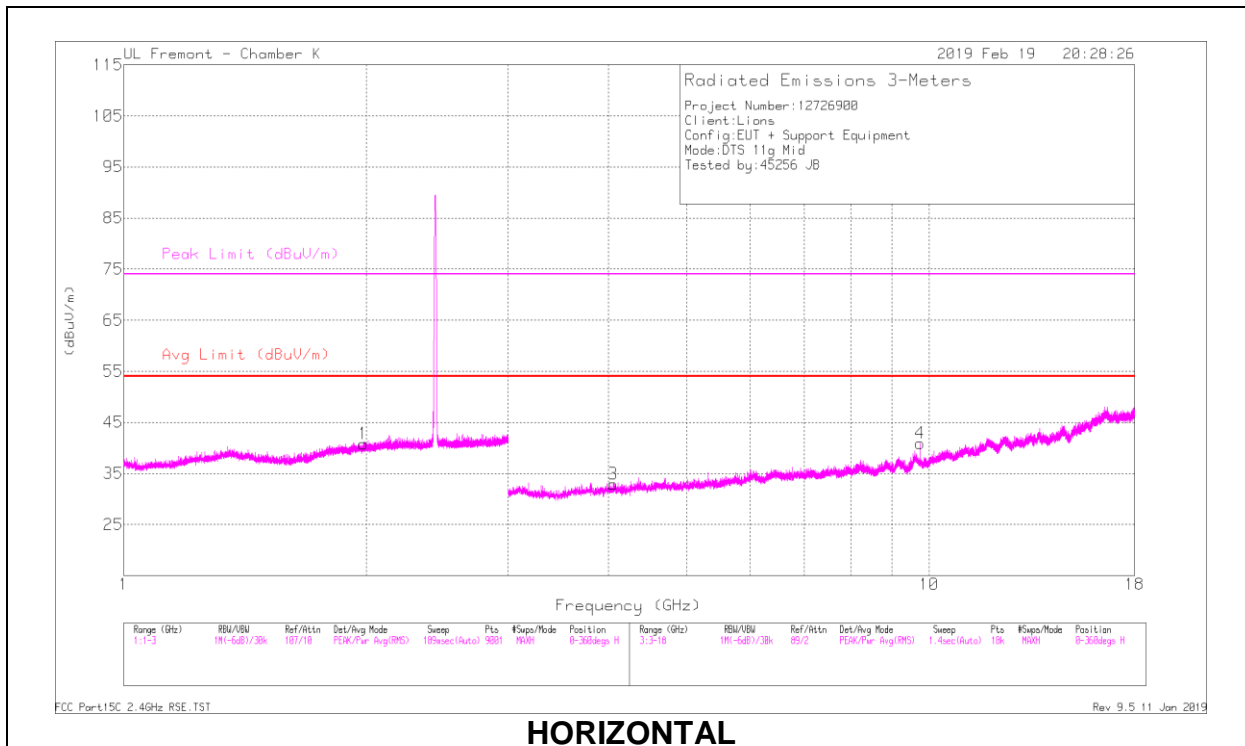
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

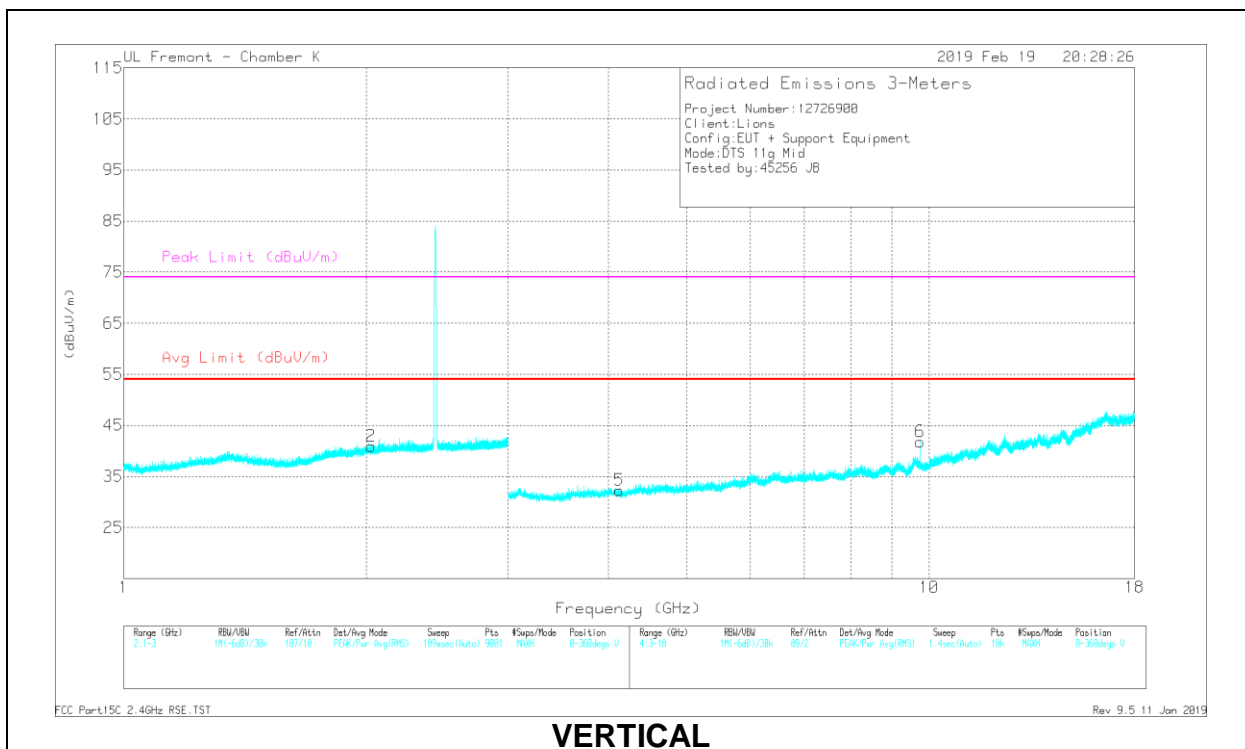
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.054	36.63	PK2	33.4	-30.9	0	39.13	-	-	74	-34.87	245	310	H
* 4.056	27.62	MAv1	33.4	-30.9	.09	30.21	54	-23.79	-	-	245	310	H
* 4.125	36.62	PK2	33.5	-30.6	0	39.52	-	-	74	-34.48	209	289	V
* 4.125	27.31	MAv1	33.5	-30.6	.09	30.3	54	-23.7	-	-	209	289	V
1.983	34.28	Pk	30.9	-24.4	0	40.78	-	-	-	-	0-360	100	H
2.03	34.19	Pk	31.1	-24.4	0	40.89	-	-	-	-	0-360	101	V
9.748	27.63	Pk	36.9	-23.6	0	40.93	-	-	-	-	0-360	101	H
9.748	28.51	Pk	36.9	-23.6	0	41.81	-	-	-	-	0-360	101	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

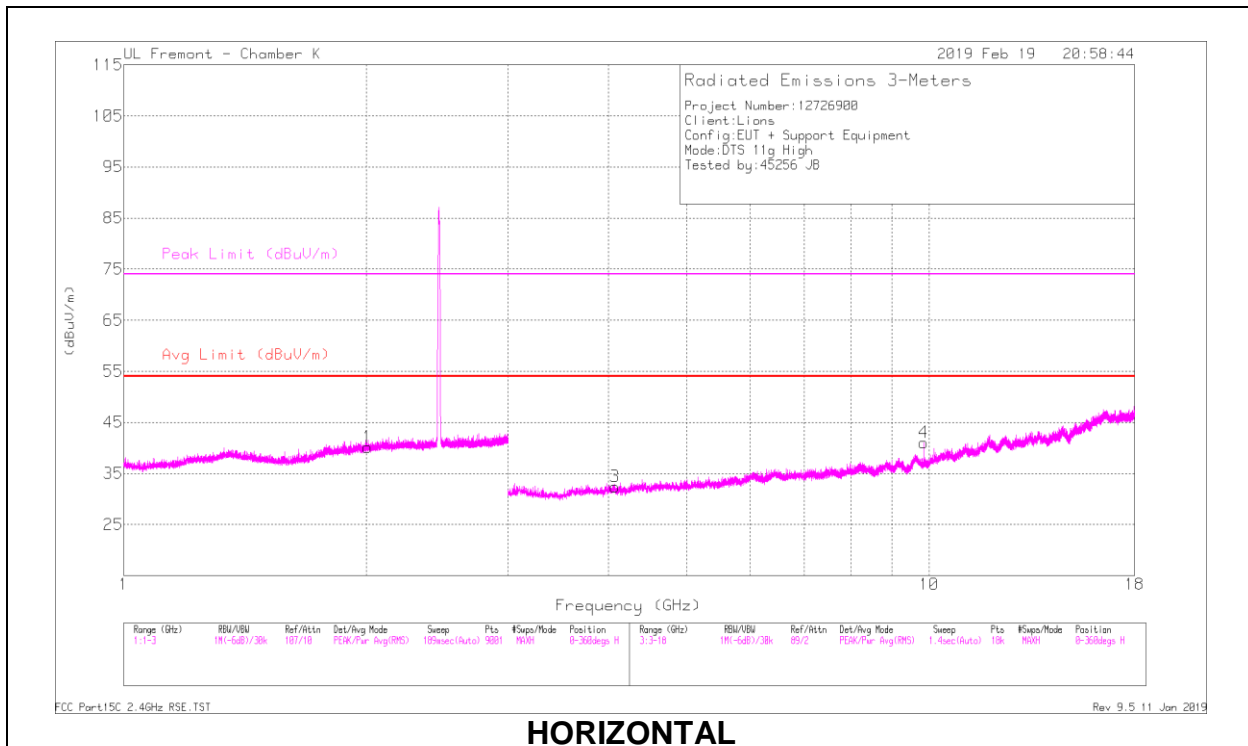
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

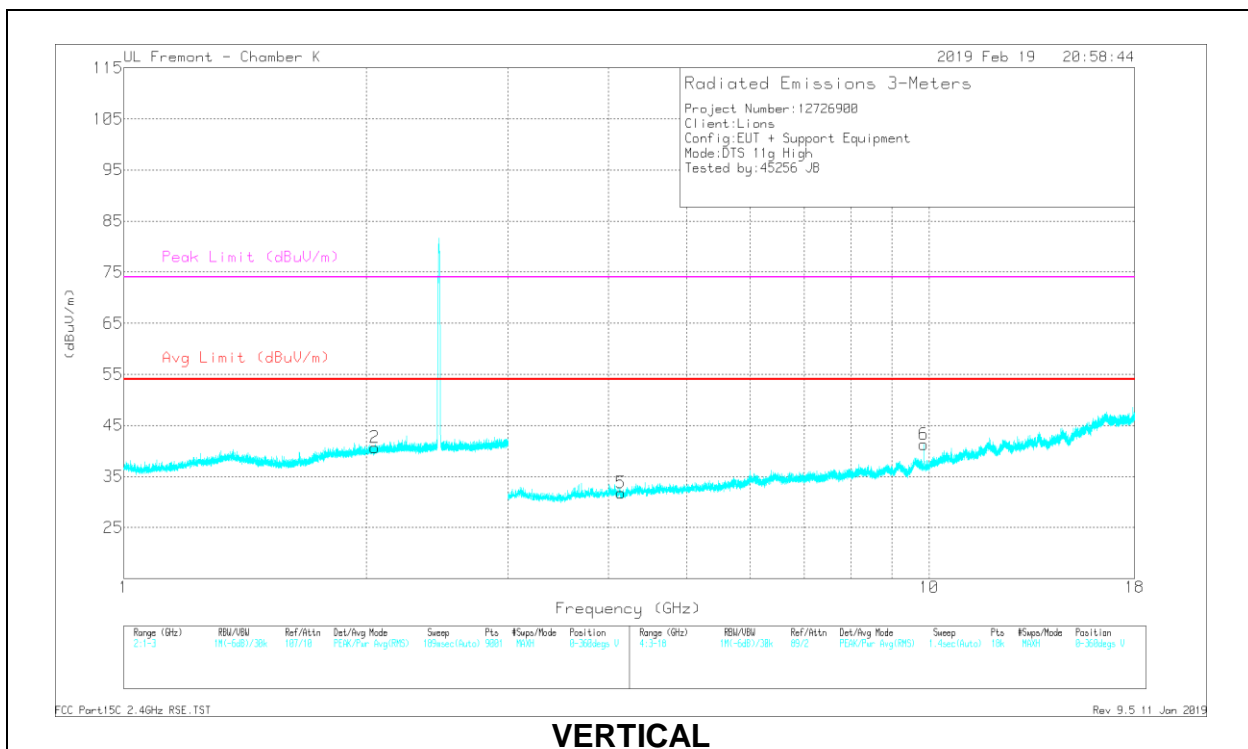
MAv1 - KDB558074 Option 1 Maximum RMS Average



### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.073	37.65	PK2	33.5	-30.7	0	40.45	-	-	74	-33.55	105	385	H
* 4.074	26.82	MAv1	33.5	-30.7	.09	29.71	54	-24.29	-	-	105	385	H
* 4.144	36.73	PK2	33.4	-30.8	0	39.33	-	-	74	-34.67	146	388	V
* 4.145	27.14	MAv1	33.4	-30.8	.09	29.83	54	-24.17	-	-	146	388	V
2.009	33.32	Pk	31.1	-24.3	0	40.12	-	-	-	-	0-360	200	H
2.05	34	Pk	31.2	-24.6	0	40.6	-	-	-	-	0-360	101	V
9.848	27.31	Pk	36.9	-23.2	0	41.01	-	-	-	-	0-360	101	H
9.848	27.6	Pk	36.9	-23.2	0	41.3	-	-	-	-	0-360	101	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

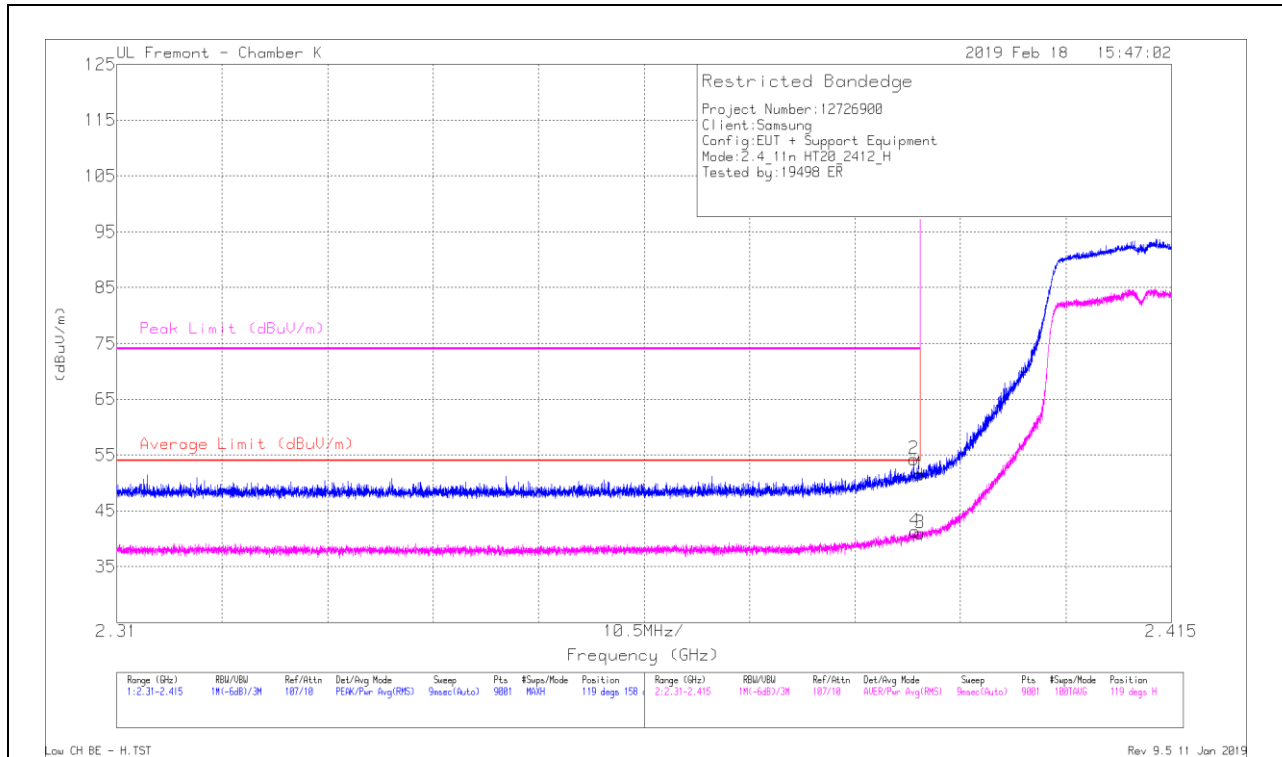
MAv1 - KDB558074 Option 1 Maximum RMS Average

**10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND**

**1TX Antenna 1 MODE**

**BANDEDGE (LOW CHANNEL, CH 1)**

**HORIZONTAL RESULT**



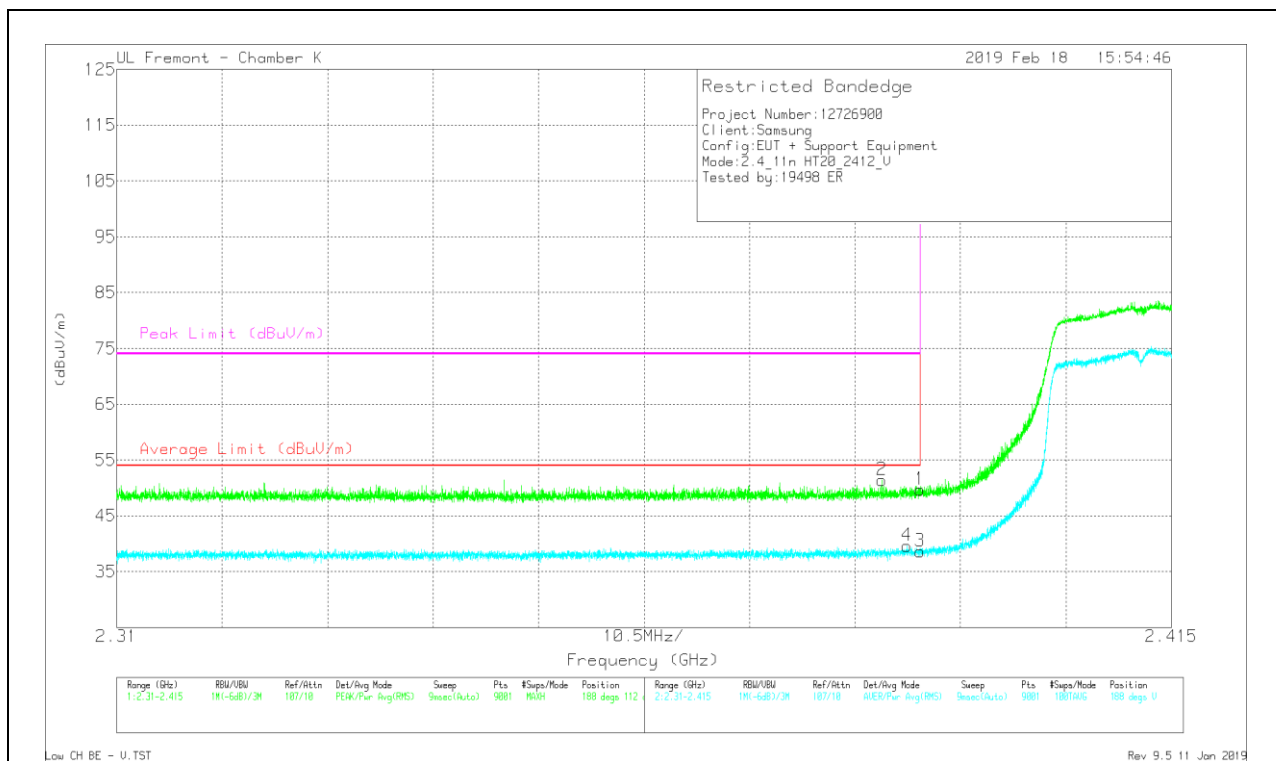
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/CDI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.33	Pk	31.9	-24.7	0	51.53	-	-	74	-22.47	119	158	H
2	* 2.389	47.08	Pk	31.9	-24.7	0	54.28	-	-	74	-19.72	119	158	H
3	* 2.39	33.65	RMS	31.9	-24.7	.1	40.95	54	-13.05	-	-	119	158	H
4	* 2.389	34.04	RMS	31.9	-24.7	.1	41.34	54	-12.66	-	-	119	158	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



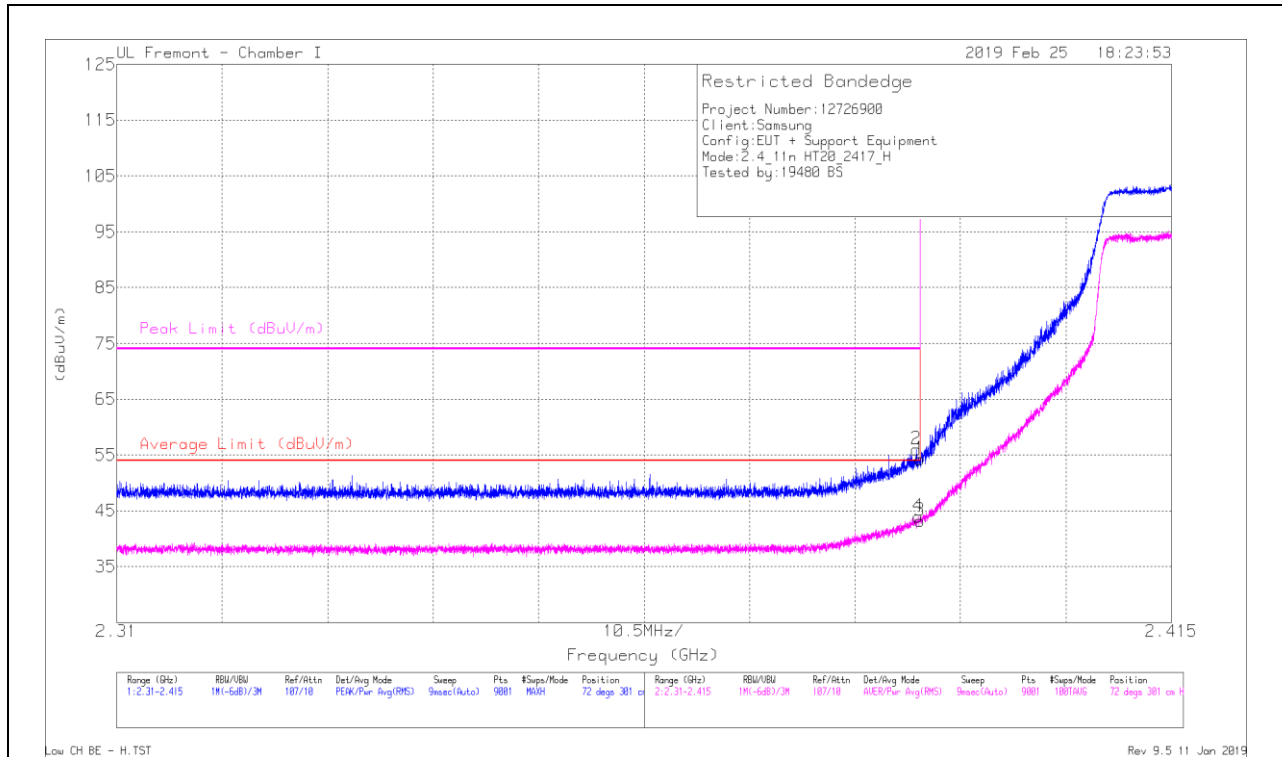
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.45	Pk	31.9	-24.7	0	49.65	-	-	74	-24.35	188	112	V
2	* 2.386	44.09	Pk	31.9	-24.6	0	51.39	-	-	74	-22.61	188	112	V
3	* 2.39	31.36	RMS	31.9	-24.7	.1	38.66	54	-15.34	-	-	188	112	V
4	* 2.389	32.33	RMS	31.9	-24.7	.1	39.63	54	-14.37	-	-	188	112	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector  
 RMS - RMS detection

**BANEDGE (LOW CHANNEL, CH 2)**

**HORIZONTAL RESULT**



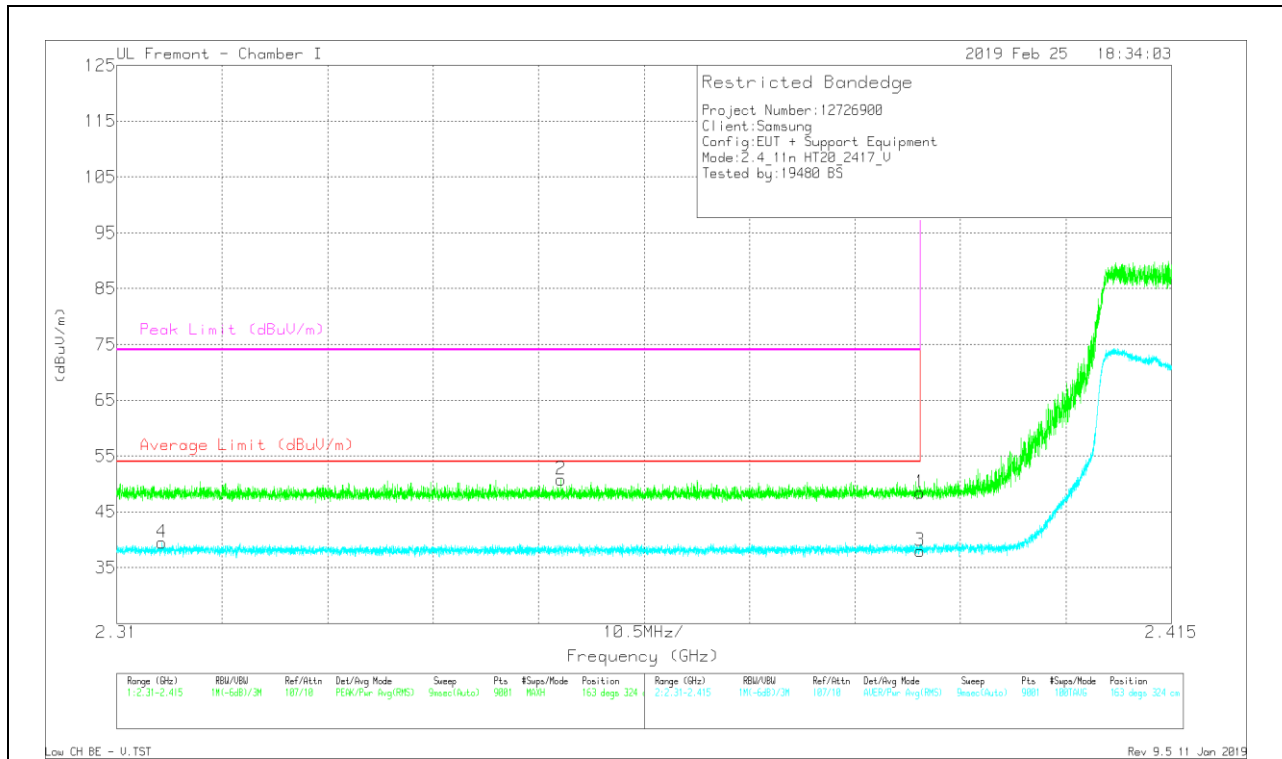
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Paid (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.1	Pk	31.8	-21.6	0	54.3	-	-	74	-19.7	72	301	H
2	* 2.39	45.82	Pk	31.8	-21.6	0	56.02	-	-	74	-17.98	72	301	H
3	* 2.39	32.97	RMS	31.8	-21.6	.1	43.27	54	-10.73	-	-	72	301	H
4	* 2.39	33.68	RMS	31.8	-21.6	.1	43.98	54	-10.02	-	-	72	301	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Filt/PA (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.27	Pk	31.8	-21.6	0	48.47	-	-	74	-25.53	163	324	V
2	* 2.354	40.7	Pk	31.6	-21.5	0	50.8	-	-	74	-23.2	163	324	V
3	* 2.39	27.65	RMS	31.8	-21.6	.1	37.95	54	-16.06	-	-	163	324	V
4	* 2.314	29.3	RMS	31.6	-21.5	.1	39.5	54	-14.5	-	-	163	324	V

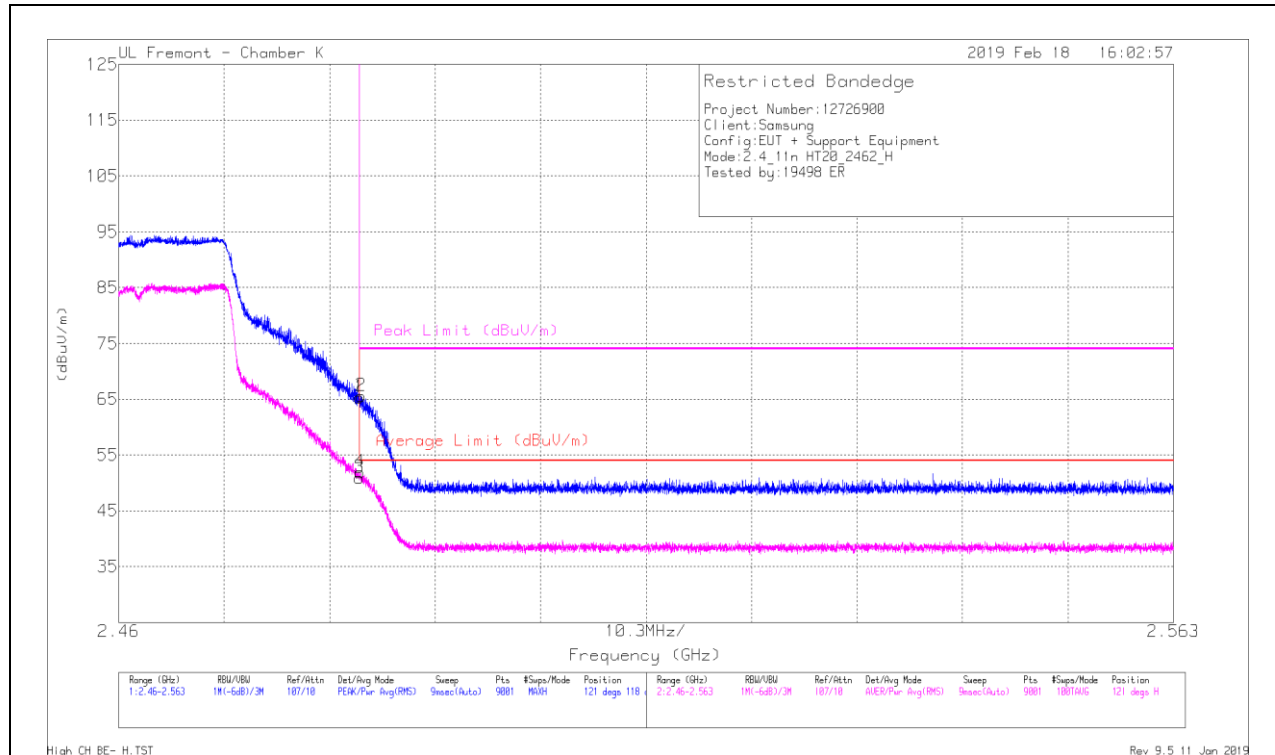
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**



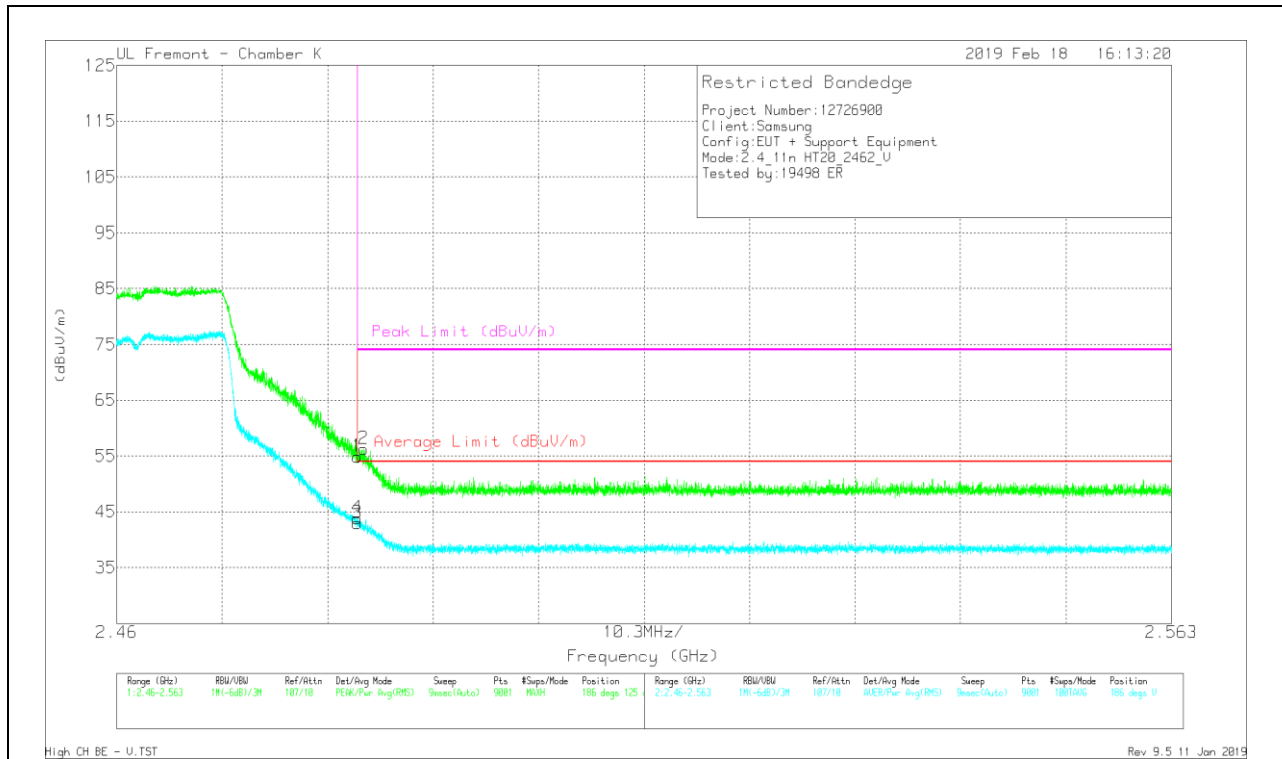
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.8	Pk	32.3	-24.8	0	65.3	-	-	74	-8.7	121	118	H
2	* 2.484	58.08	Pk	32.3	-24.8	0	65.58	-	-	74	-8.42	121	118	H
3	* 2.484	43.29	RMS	32.3	-24.8	.1	50.89	54	-3.11	-	-	121	118	H
4	* 2.484	44.26	RMS	32.3	-24.8	.1	51.86	54	-2.14	-	-	121	118	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



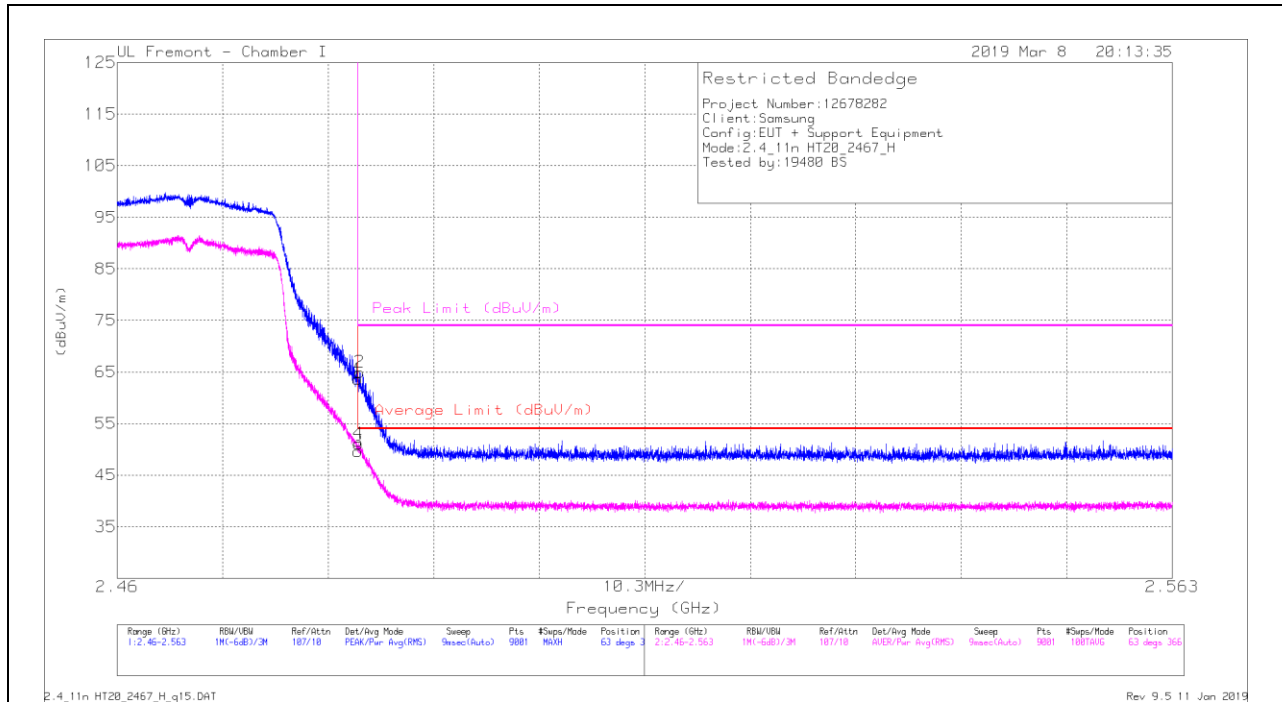
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Ch/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.41	Pk	32.3	-24.8	0	54.91	-	-	74	-19.09	186	125	V
2	* 2.484	48.78	Pk	32.3	-24.8	0	56.28	-	-	74	-17.72	186	125	V
3	* 2.484	35.4	RMS	32.3	-24.8	.1	43	54	-11	-	-	186	125	V
4	* 2.484	36.22	RMS	32.3	-24.8	.1	43.82	54	-10.18	-	-	186	125	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection



**BANEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**



**Trace Markers**

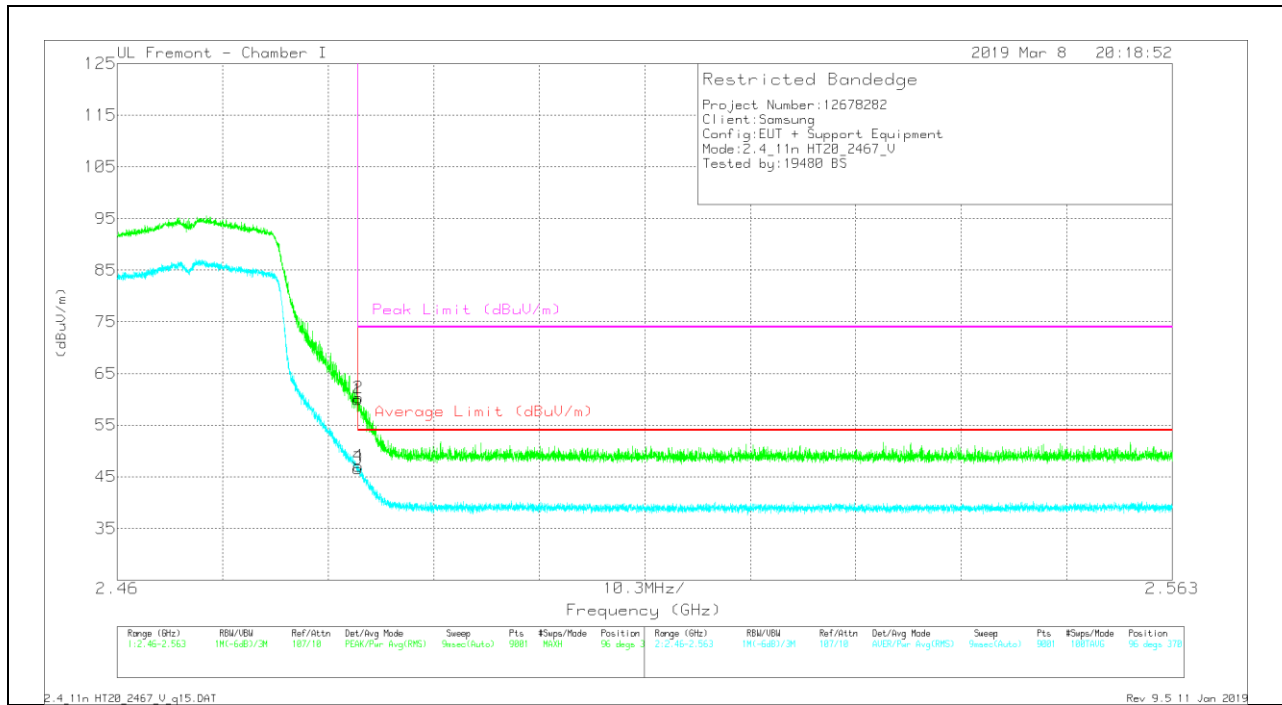
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.89	Pk	32.4	-21.7	0	63.59	-	-	74	-10.41	63	366	H
2	* 2.484	54.26	Pk	32.4	-21.7	0	64.96	-	-	74	-9.04	63	366	H
3	* 2.484	38.8	RMS	32.4	-21.7	.1	49.6	54	-4.4	-	-	63	366	H
4	* 2.484	40.33	RMS	32.4	-21.7	.1	51.13	54	-2.87	-	-	63	366	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.21	Pk	32.4	-21.7	0	59.91	-	-	74	-14.09	96	370	V
2	* 2.484	49.59	Pk	32.4	-21.7	0	60.29	-	-	74	-13.71	96	370	V
3	* 2.484	35.79	RMS	32.4	-21.7	.1	46.59	54	-7.41	-	-	96	370	V
4	* 2.484	36.28	RMS	32.4	-21.7	.1	47.08	54	-6.92	-	-	96	370	V

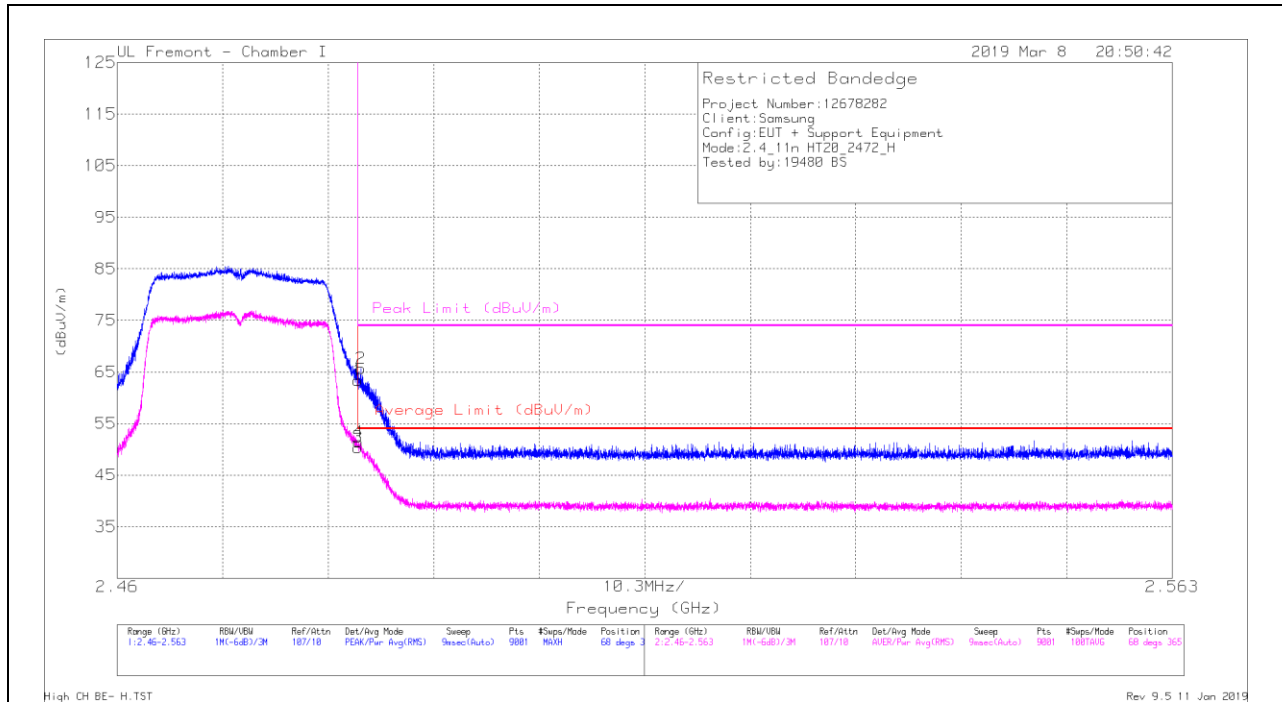
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**



**Trace Markers**

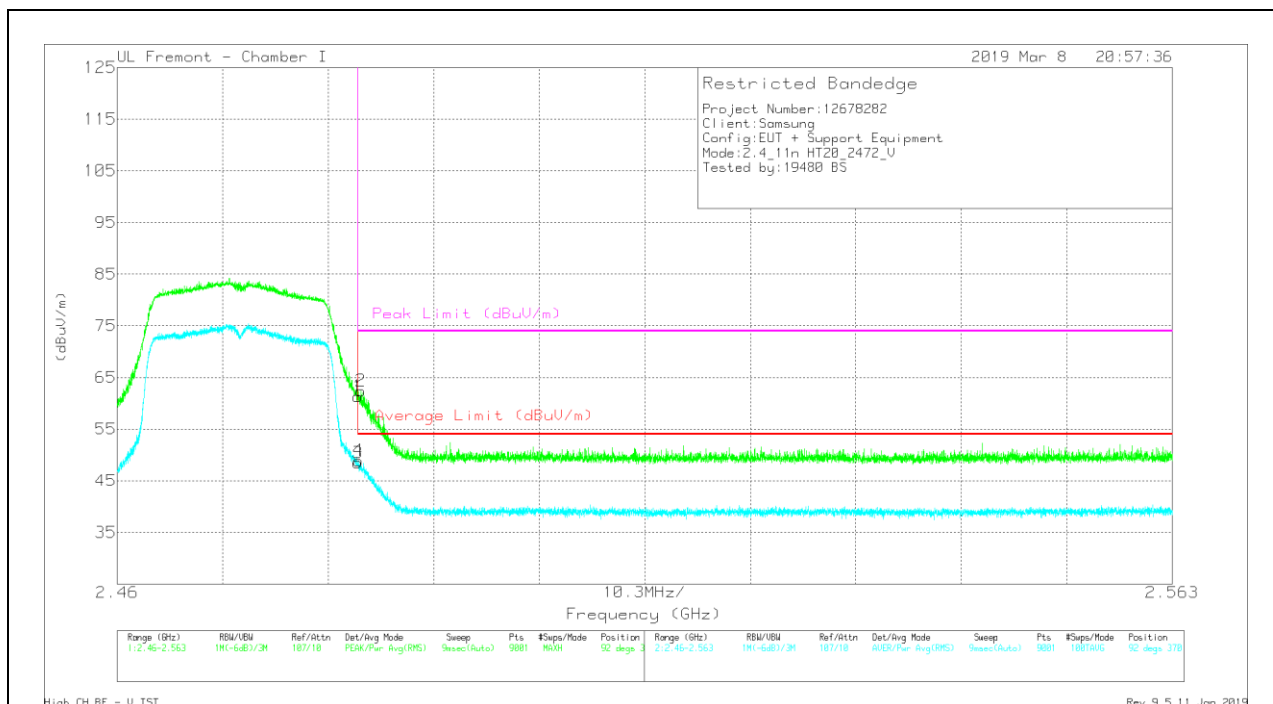
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.64	Pk	32.4	-21.7	0	63.34	-	-	74	-10.66	68	365	H
2	* 2.484	54.97	Pk	32.4	-21.7	0	65.67	-	-	74	-8.33	68	365	H
3	* 2.484	39.57	RMS	32.4	-21.7	.1	50.37	54	-3.63	-	-	68	365	H
4	* 2.484	40.59	RMS	32.4	-21.7	.1	51.39	54	-2.61	-	-	68	365	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



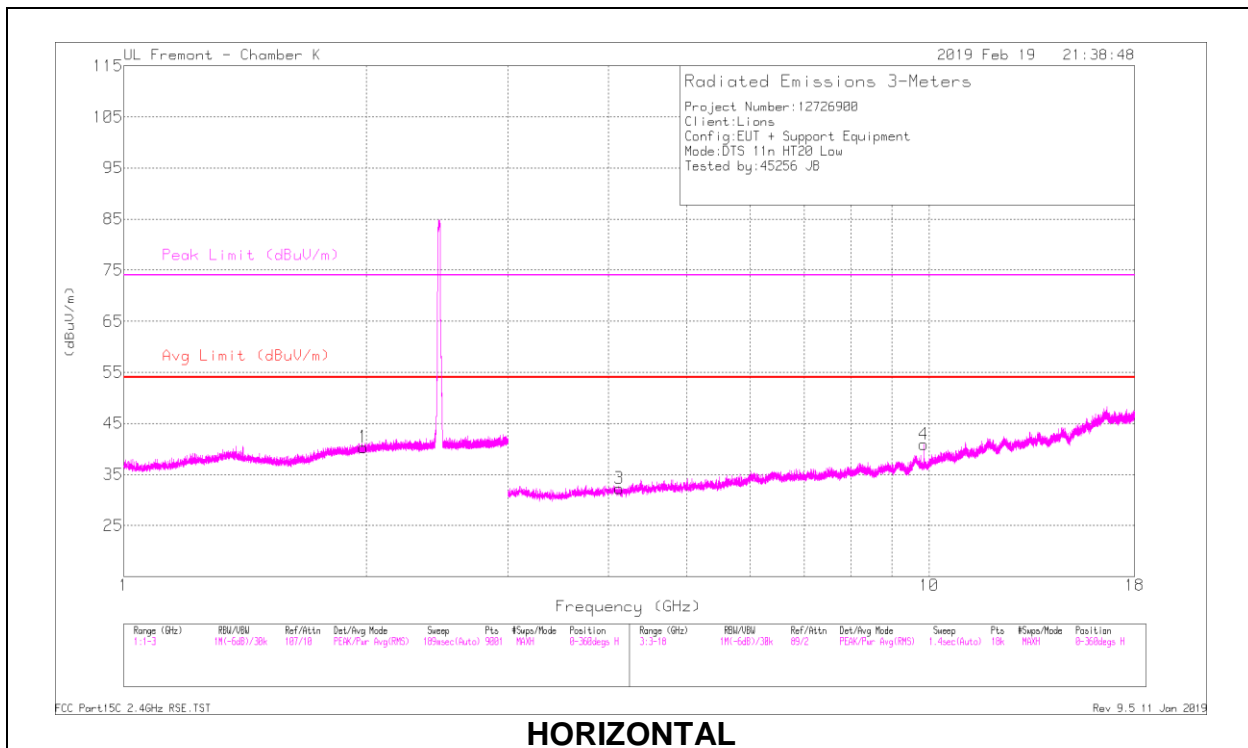
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.62	Pk	32.4	-21.7	0	61.32	-	-	74	-12.68	92	370	V
2	* 2.484	51.72	Pk	32.4	-21.7	0	62.42	-	-	74	-11.58	92	370	V
3	* 2.484	37.66	RMS	32.4	-21.7	.1	48.46	54	-5.54	-	-	92	370	V
4	* 2.484	38.1	RMS	32.4	-21.7	.1	48.9	54	-5.1	-	-	92	370	V

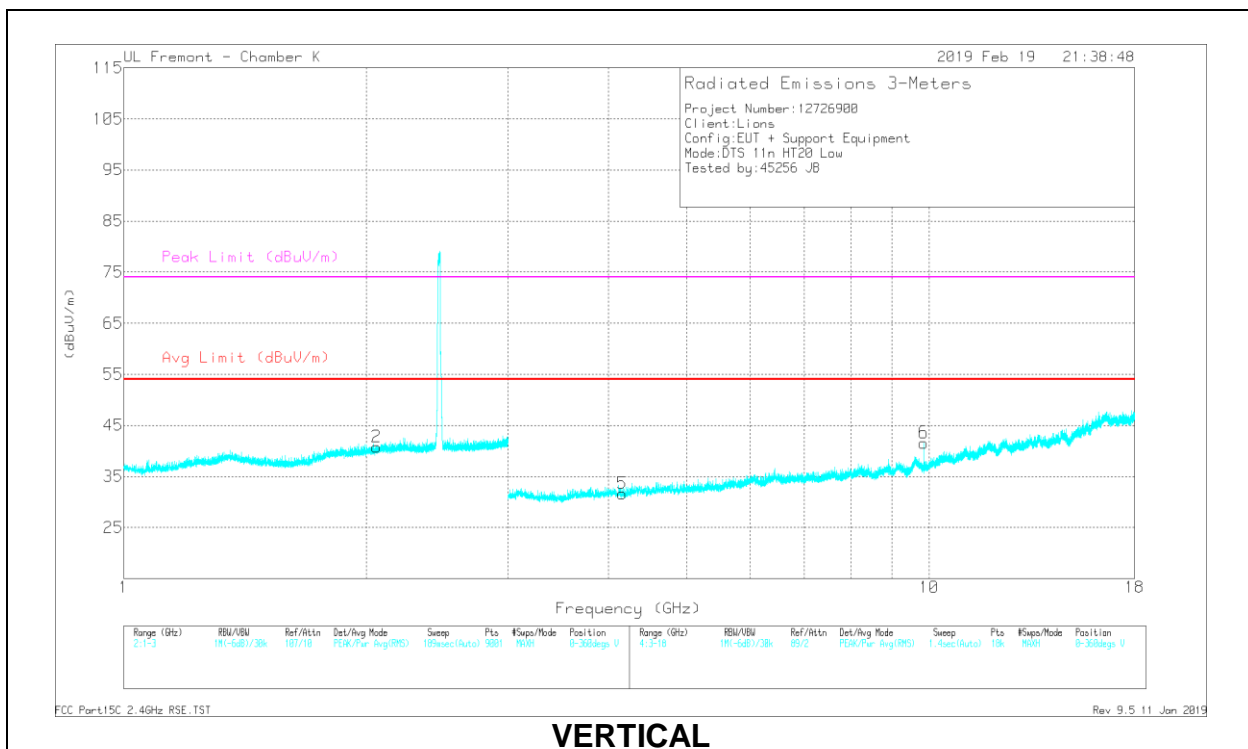
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL, CH 1 RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.123	36.99	PK2	33.5	-30.6	0	39.89	-	-	74	-34.11	304	206	H
* 4.121	27.23	MAv1	33.5	-30.6	.1	30.23	54	-23.77	-	-	304	206	H
* 4.158	36.68	PK2	33.4	-30.9	0	39.18	-	-	74	-34.82	161	223	V
* 4.156	26.94	MAv1	33.4	-30.9	.1	29.54	54	-24.46	-	-	161	223	V
1.985	33.83	Pk	30.9	-24.4	0	40.33	-	-	-	-	0-360	101	H
2.059	33.98	Pk	31.3	-24.5	0	40.78	-	-	-	-	0-360	100	V
9.848	27.26	Pk	36.9	-23.2	0	40.96	-	-	-	-	0-360	100	H
9.848	27.9	Pk	36.9	-23.2	0	41.6	-	-	-	-	0-360	100	V

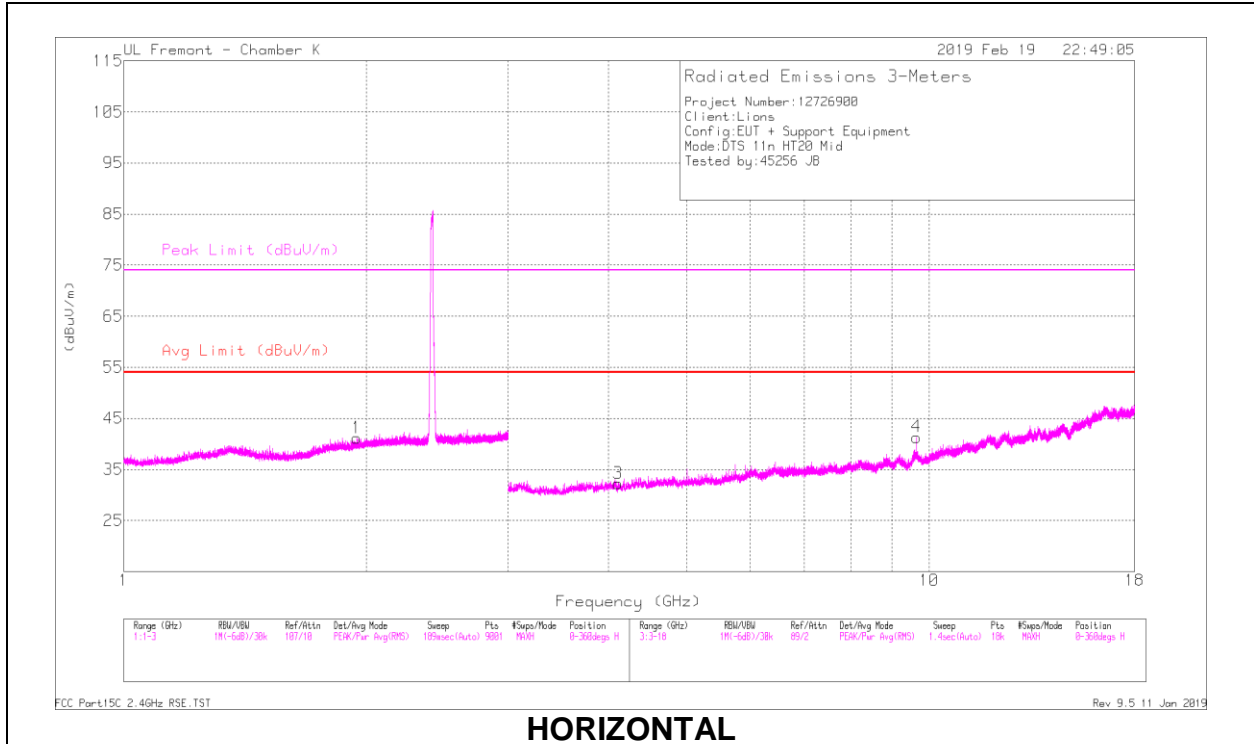
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

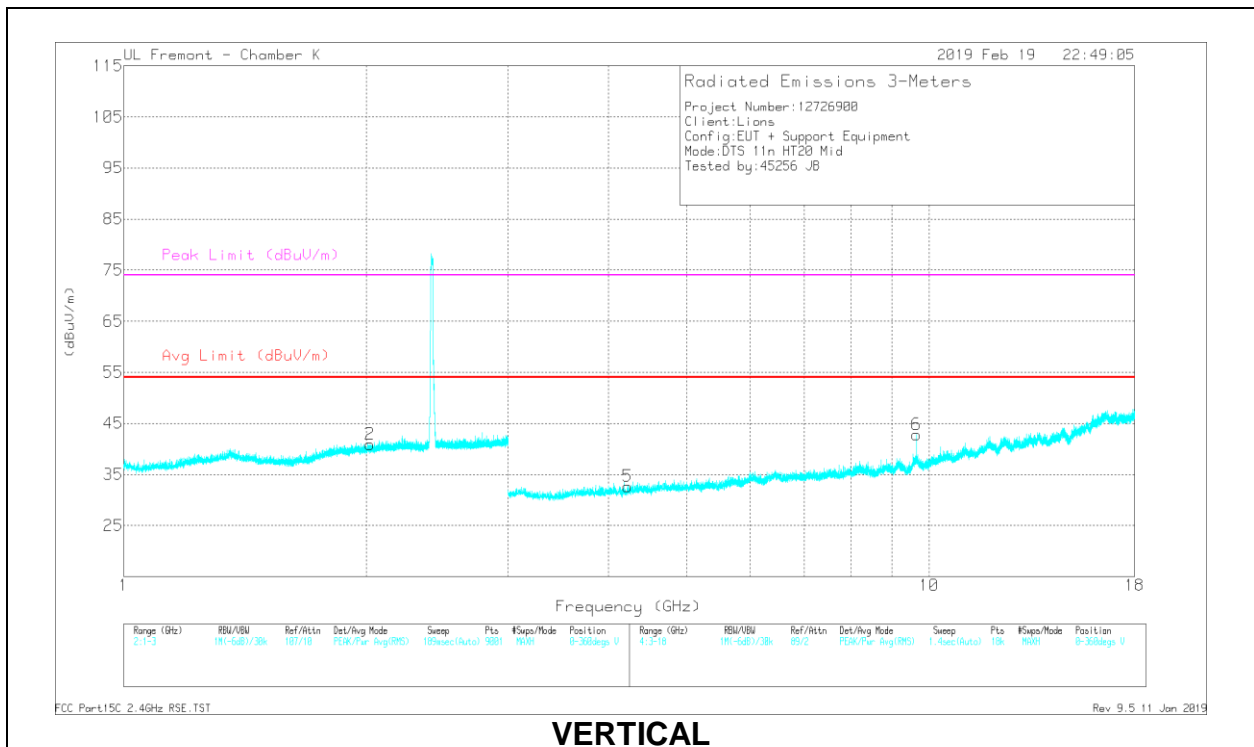
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**MID CHANNEL, CH 6 RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.112	36.81	PK2	33.5	-30.7	0	39.61	-	-	74	-34.39	265	316	H
* 4.114	26.94	MAv1	33.5	-30.6	.1	29.94	54	-24.06	-	-	265	316	H
* 4.225	37.61	PK2	33.4	-31.3	0	39.71	-	-	74	-34.29	63	349	V
* 4.224	28.15	MAv1	33.4	-31.3	.1	30.35	54	-23.65	-	-	63	349	V
1.947	34.59	Pk	30.8	-24.2	0	41.19	-	-	-	-	0-360	200	H
2.022	34.24	Pk	31.1	-24.4	0	40.94	-	-	-	-	0-360	100	V
9.648	27.95	Pk	36.8	-23.4	0	41.35	-	-	-	-	0-360	100	H
9.648	29.43	Pk	36.8	-23.4	0	42.83	-	-	-	-	0-360	100	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

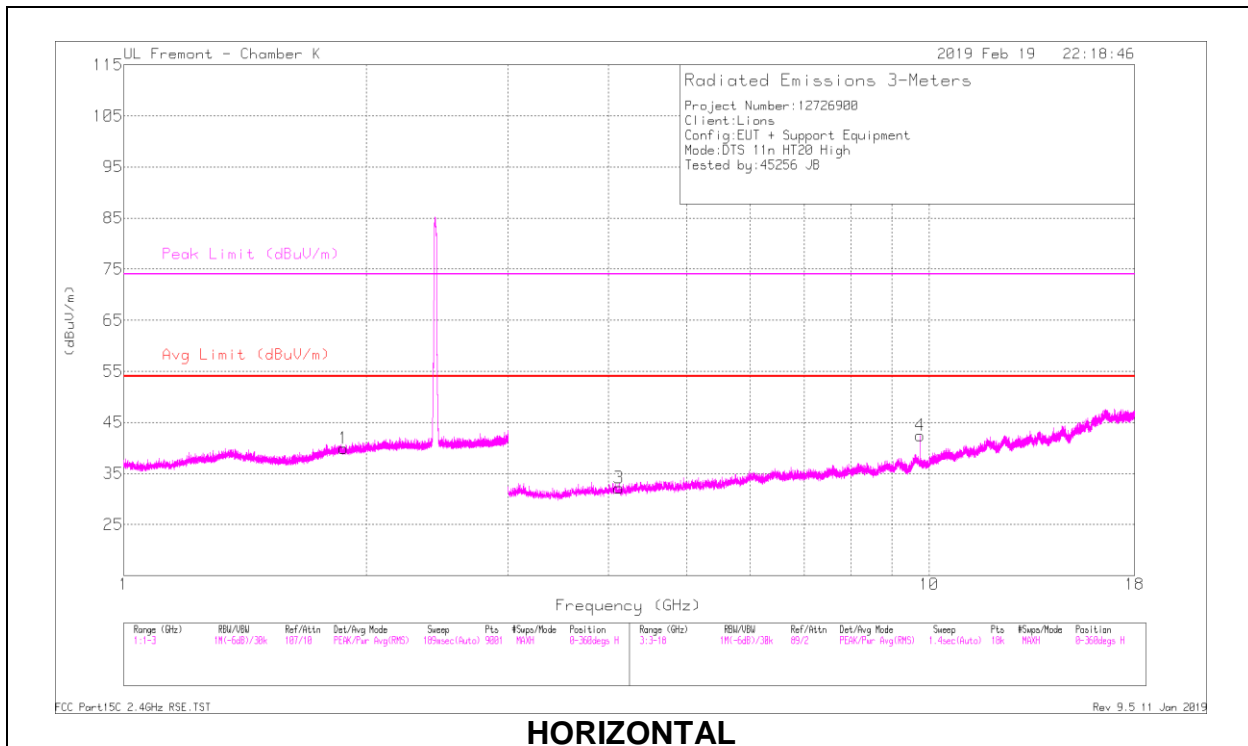
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

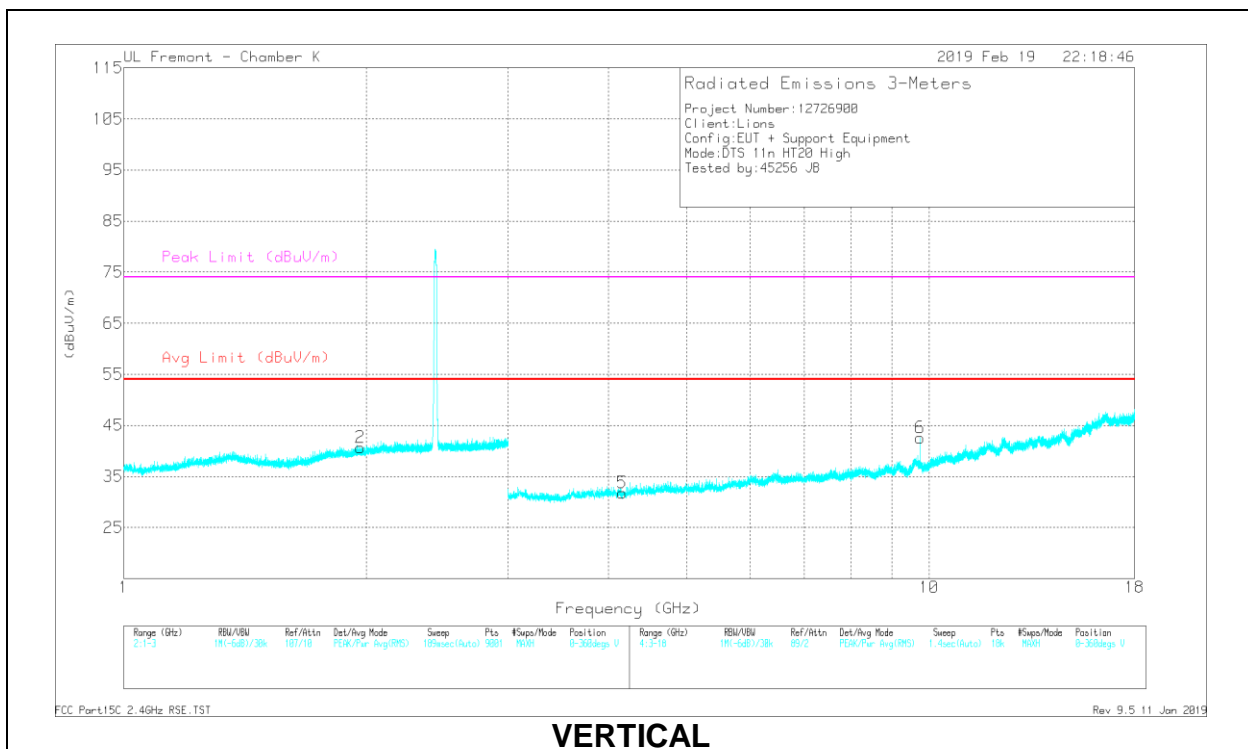
MAv1 - KDB558074 Option 1 Maximum RMS Average



### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.121	36.54	PK2	33.5	-30.6	0	39.44	-	-	74	-34.56	6	309	H
* 4.122	27.42	MAv1	33.5	-30.6	.1	30.42	54	-23.58	-	-	6	309	H
* 4.157	37.49	PK2	33.4	-30.9	0	39.99	-	-	74	-34.01	352	302	V
* 4.158	27.24	MAv1	33.4	-30.9	.1	29.84	54	-24.16	-	-	352	302	V
1.875	33.67	Pk	30.4	-24.2	0	39.87	-	-	-	-	0-360	101	H
1.966	34.2	Pk	30.9	-24.4	0	40.7	-	-	-	-	0-360	100	V
9.748	29.08	Pk	36.9	-23.6	0	42.38	-	-	-	-	0-360	100	H
9.748	29.31	Pk	36.9	-23.6	0	42.61	-	-	-	-	0-360	101	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

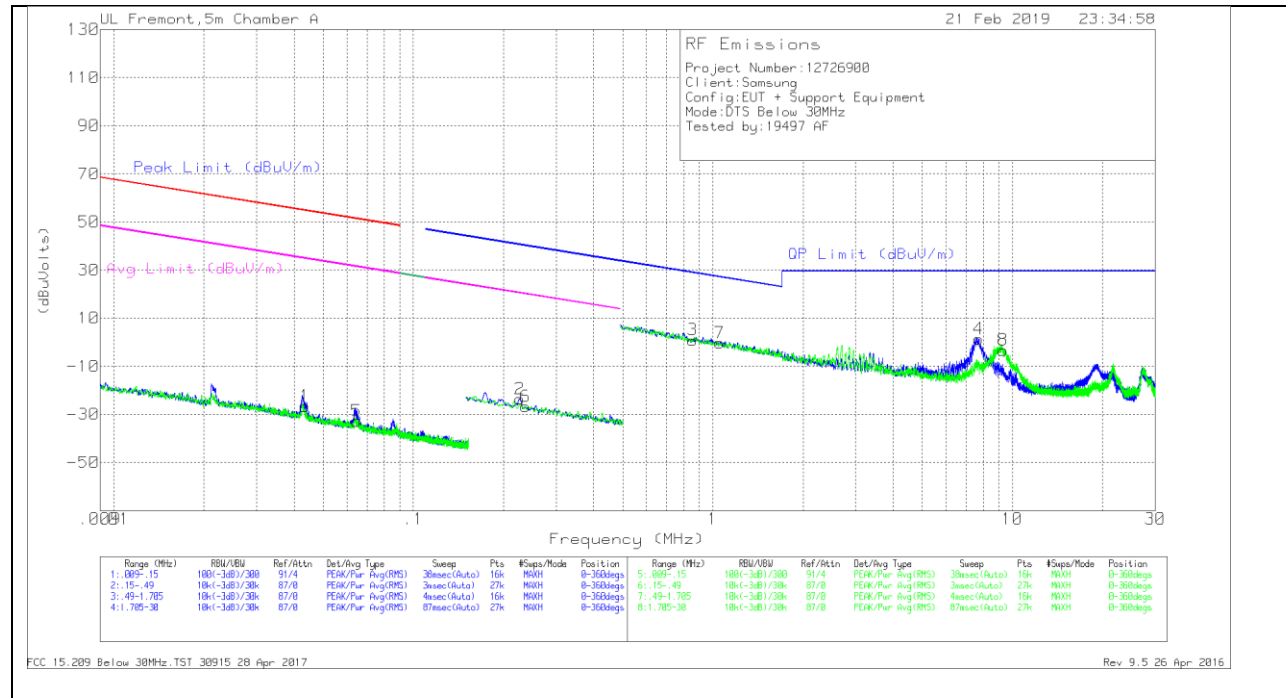
Pk - Peak detector

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

## 10.2. WORST CASE BELOW 30MHZ

### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



#### Below 30MHz Data

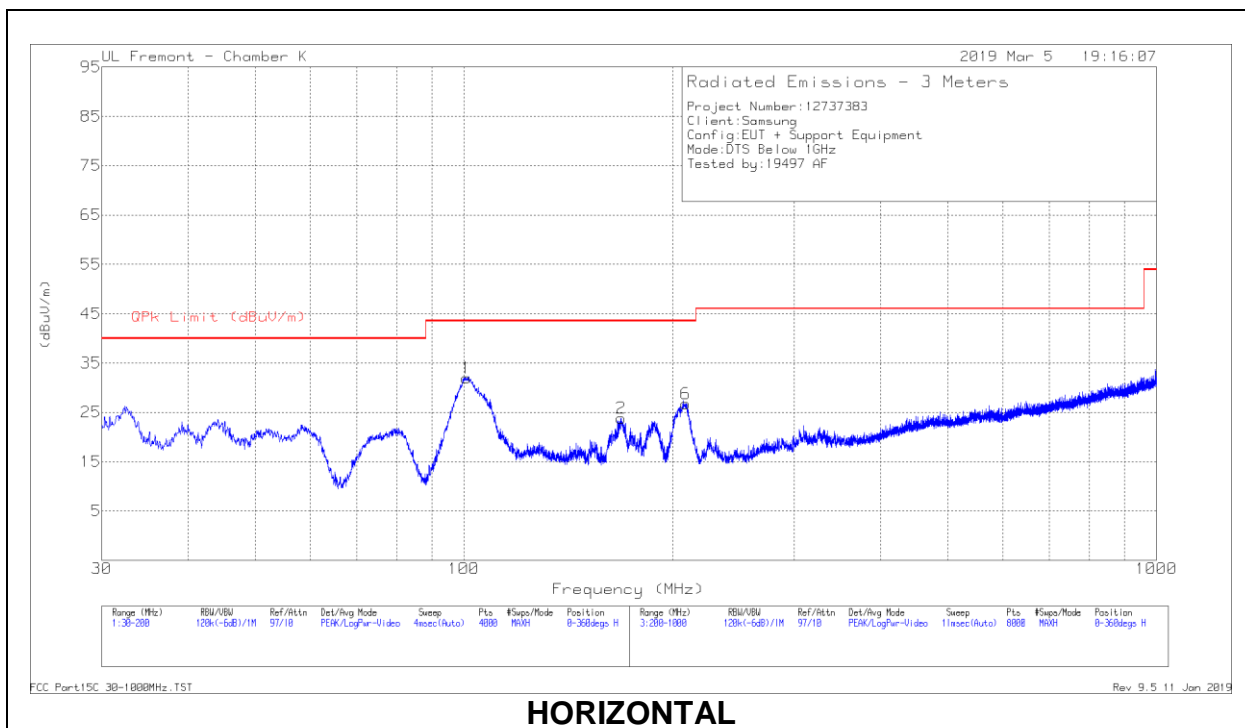
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cable Loss (dB)	Dist Corr 30m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.04354	40.17	Pk	13.3	0	-80	-26.53	54.81	-81.34	34.81	-61.34	-	-	-	-	0-360
5	.06465	34.81	Pk	12.4	0	-80	-32.79	51.37	-84.16	31.37	-64.16	-	-	-	-	0-360
2	.22691	45.28	Pk	11	.1	-80	-23.62	-	-	-	-	40.5	-64.12	20.5	-44.12	0-360
6	.23704	42.2	Pk	11	.1	-80	-26.7	-	-	-	-	40.12	-66.82	20.12	-46.82	0-360

#### Pk - Peak detector

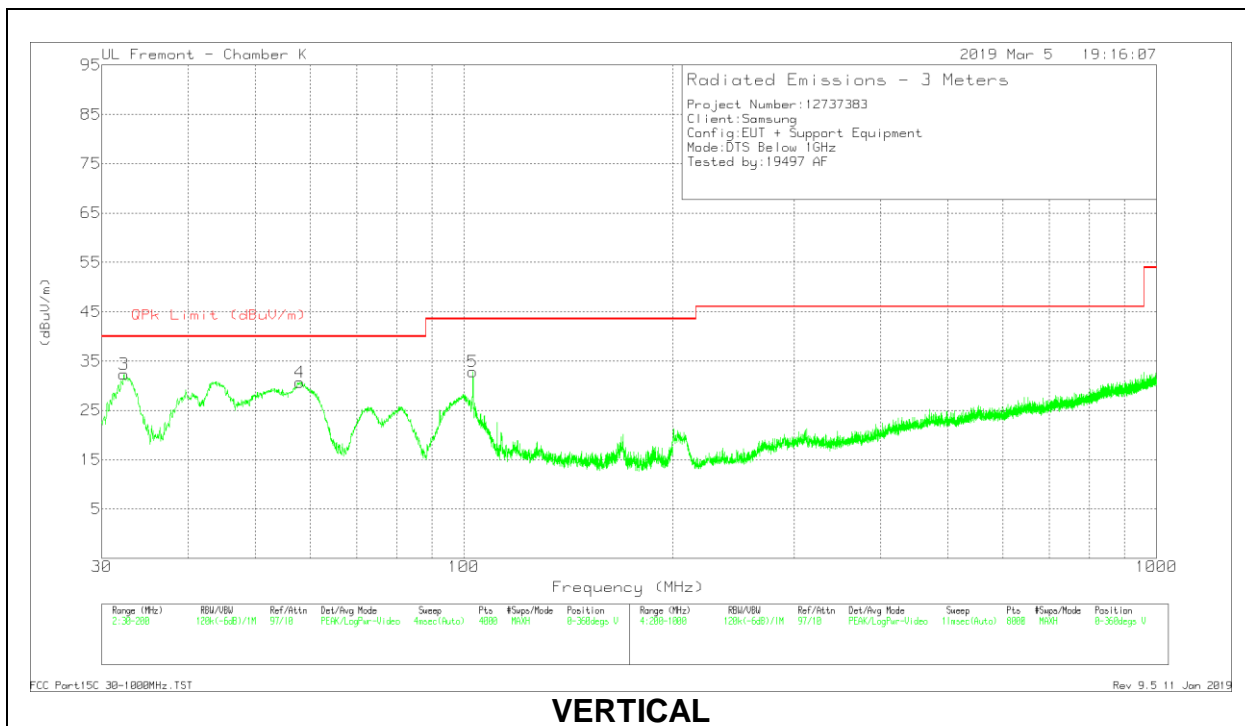
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cable Loss (dB)	Dist Corr 30m	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.85666	29.69	Pk	11.1	.1	-40	.89	28.96	-28.07	0-360
7	1.05479	28.27	Pk	11.3	.1	-40	-.33	27.16	-27.49	0-360
4	7.72052	30.03	Pk	10.9	.4	-40	1.33	29.5	-28.17	0-360
8	9.31715	25.59	Pk	10.7	.4	-40	-3.31	29.5	-32.81	0-360

#### Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHZ



**HORIZONTAL**



**VERTICAL**

**Below 1GHz DATA**

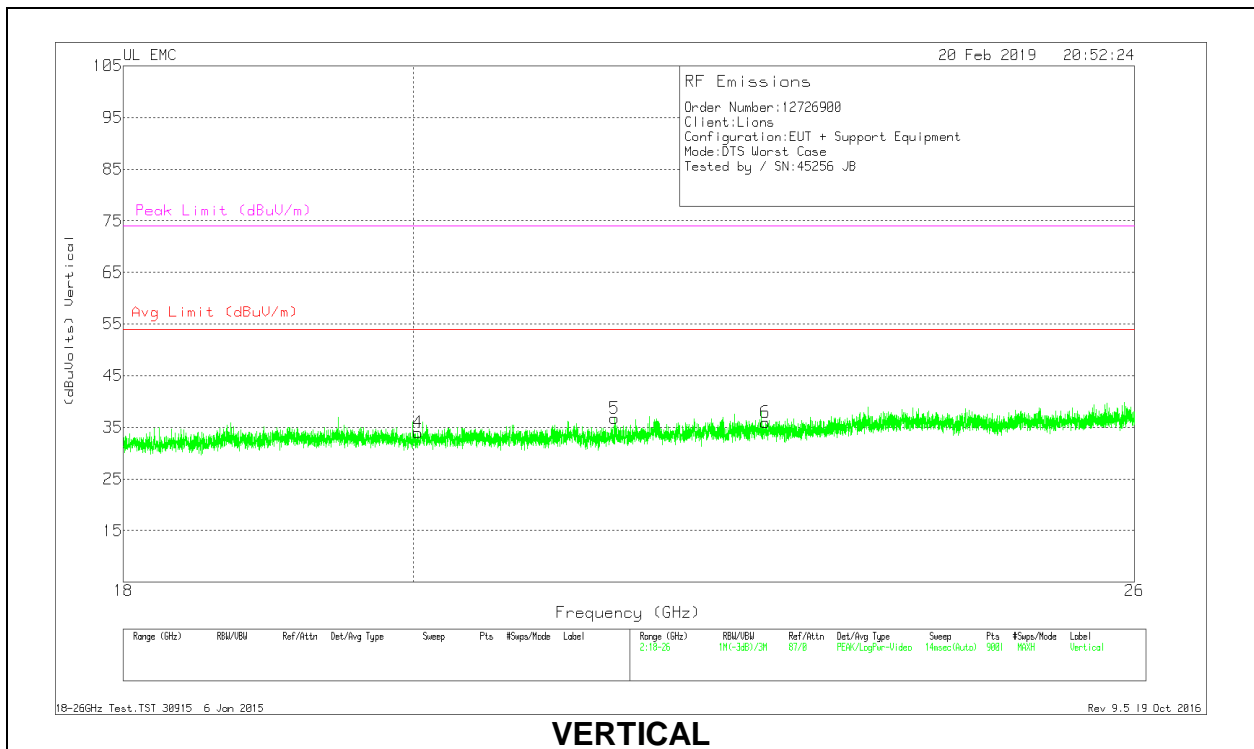
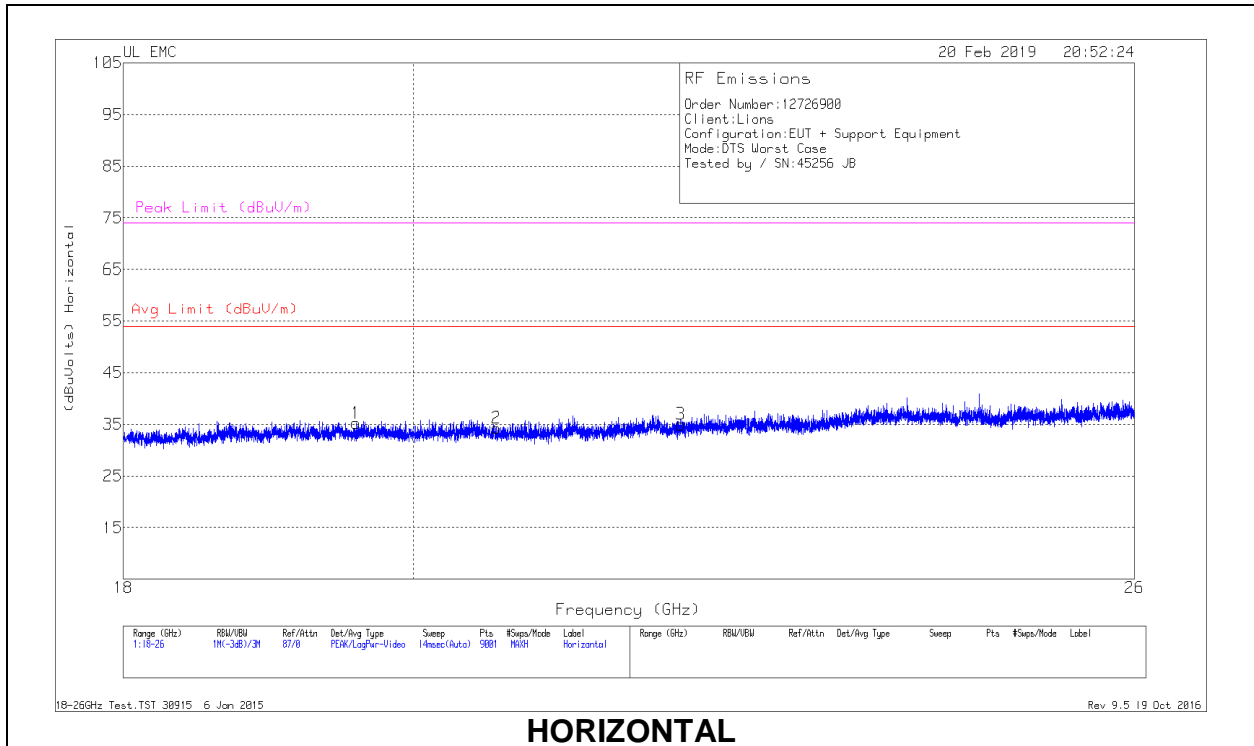
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184052 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	100.9083	46.47	Pk	16.4	-30.9	31.97	43.52	-11.55	0-360	299	H
2	* 168.8409	36.48	Pk	17.7	-30.4	23.78	43.52	-19.74	0-360	199	H
3	32.2956	38.68	Pk	25.2	-31.6	32.28	40	-7.72	0-360	100	V
	32.5272	36.33	Qp	25	-31.6	29.73	40	-10.27	122	101	V
4	57.9297	48.8	Pk	13.2	-31.3	30.7	40	-9.3	0-360	100	V
5	102.9914	46.71	Pk	17	-30.9	32.81	43.52	-10.71	0-360	100	V
6	209.1012	40.71	Pk	16.3	-30.3	26.71	43.52	-16.81	0-360	100	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

**10.4. WORST CASE 18-26 GHZ**



**18 – 26GHz DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.589	37.24	Pk	32.8	-25.3	-9.5	35.24	54	-18.76	74	-38.76
2	20.615	36.19	Pk	33	-25.4	-9.5	34.29	54	-19.71	74	-39.71
3	22.043	36.37	Pk	33.3	-25.2	-9.5	34.97	54	-19.03	74	-39.03
4	20.035	35.92	Pk	32.7	-25.2	-9.5	33.92	54	-20.08	74	-40.08
5	21.52	38.51	Pk	33.1	-25.4	-9.5	36.71	54	-17.29	74	-37.29
6	22.735	37.24	Pk	33.5	-25.3	-9.5	35.94	54	-18.06	74	-38.06

Pk - Peak detector

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

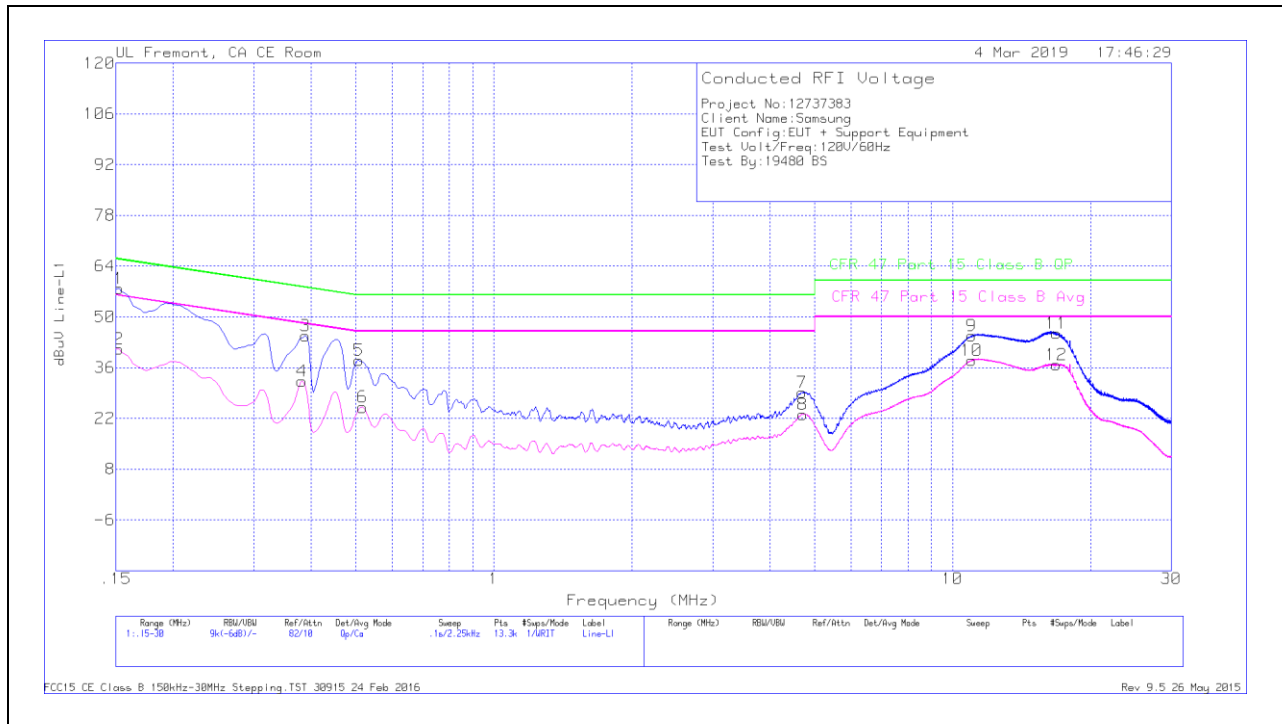
Line conducted data is recorded for both NEUTRAL and HOT lines.

### RESULTS



AC Power Line Norm

LINE 1 RESULTS

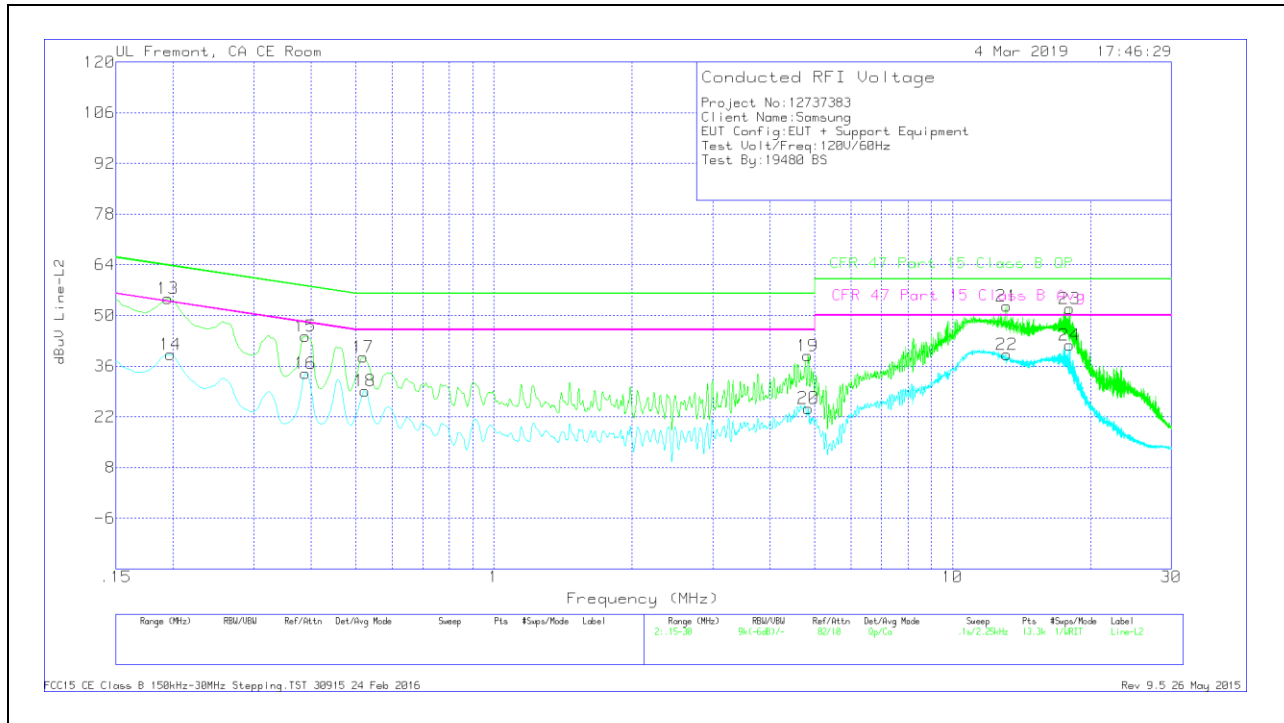


Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.15225	47.66	Qp	.1	0	10.1	57.86	65.88	-8.02	-	-
2	.15225	31.01	Ca	.1	0	10.1	41.21	-	-	55.88	-14.67
3	.3885	34.61	Qp	0	0	10.1	44.71	58.1	-13.39	-	-
4	.38175	22.17	Ca	0	0	10.1	32.27	-	-	48.24	-15.97
5	.50775	27.96	Qp	0	0	10.1	38.06	56	-17.94	-	-
6	.51675	14.96	Ca	0	0	10.1	25.06	-	-	46	-20.94
7	4.704	19.01	Qp	0	.1	10.1	29.21	56	-26.79	-	-
8	4.71075	12.93	Ca	0	.1	10.1	23.13	-	-	46	-22.87
9	10.9995	34.39	Qp	0	.2	10.2	44.79	60	-15.21	-	-
10	11.0085	27.56	Ca	.1	.2	10.2	38.06	-	-	50	-11.94
11	16.83375	34.76	Qp	.1	.3	10.3	45.46	60	-14.54	-	-
12	16.845	26.08	Ca	.1	.3	10.3	36.78	-	-	50	-13.22

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

**LINE 2 RESULTS**



**Trace Markers**

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.195	44.53	Qp	0	0	10.1	54.63	63.82	-9.19	-	-
14	.19725	29.06	Ca	0	0	10.1	39.16	-	-	53.73	-14.57
15	.3885	34.16	Qp	0	0	10.1	44.26	58.1	-13.84	-	-
16	.3885	23.84	Ca	0	0	10.1	33.94	-	-	48.1	-14.16
17	.519	28.49	Qp	0	0	10.1	38.59	56	-17.41	-	-
18	.5235	19.12	Ca	0	0	10.1	29.22	-	-	46	-16.78
19	4.84125	28.75	Qp	0	.1	10.1	38.95	56	-17.05	-	-
20	4.8435	14.16	Ca	0	.1	10.1	24.36	-	-	46	-21.64
21	13.13025	42.06	Qp	.1	.2	10.2	52.56	60	-7.44	-	-
22	13.128	28.67	Ca	.1	.2	10.2	39.17	-	-	50	-10.83
23	17.97225	41.2	Qp	.1	.3	10.3	51.9	60	-8.1	-	-
24	17.97225	31.06	Ca	.1	.3	10.3	41.76	-	-	50	-8.24

Qp - Quasi-Peak detector  
 Ca - CISPR average detection